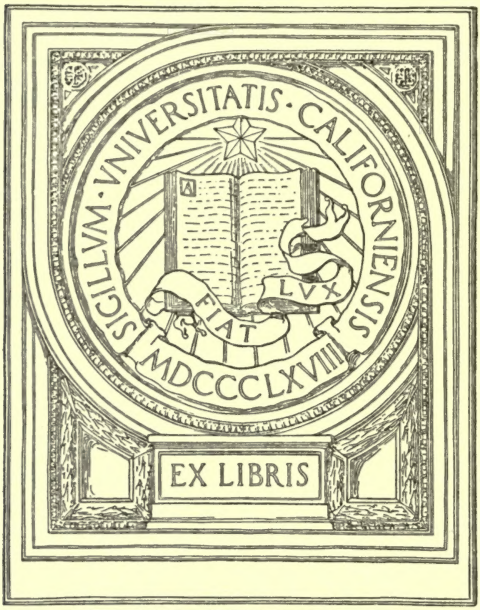
GIFT

IN MEMORIAM
George Davidson
1825-1911



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Girard college, Philadelphia, Magnetic and meteorological observatory

OBSERVATIONS

AT THE

MAGNETIC AND METEOROLOGICAL OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA,

MADE UNDER THE DIRECTION OF

A. D. BACHE, LL. D.

AND WITH FUNDS SUPPLIED BY THE MEMBERS OF THE AMERICAN PHILOSOPHICAL SOCIETY, AND BY THE TOPOGRAPHICAL BUREAU OF THE UNITED STATES,

1840 to 1845.

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WASHINGTON:
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1847.

In memoriam
George Davidson
1825 - 1911.

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PREFACE.

PRELIMINARY REMARKS.

The Magnetic Observatory at the Girard College was erected in 1838, through the liberality of the Building Committee of the Councils* of the city of Philadelphia, and was intended to afford a suitable place for using the magnetic instruments purchased under the direction of the Trustees of the College.

In this year, a system of magnetic and meteorological observations was commenced, in pursuance of the recommendation of the British Association for the advancement of science, and a great union formed, which finally embraced more than thirty observatories, in the four quarters of the globe, carrying on simultaneous observations upon the same plan and with similar instruments.

It was desirable that the Observatory at the Girard College should take part in this movement, and liberal and enlightened individuals were soon found to provide the funds necessary for executing the required observations,† which were accordingly commenced in May, 1840. Subsequently, in 1841, the American Philosophical Society of Philadelphia became responsible for this continuance, and either directly, or through the contributions of their members, supported the establishment until December, 1842. After a short suspension of the regular observations, they were resumed in May, 1843, for the use of the Topographical Bureau of the War Department, by order of the Hon. James M. Porter, Secretary of War, and through the recommendation of Col. J. J. Abert, of the Topograghical Engineers. The results were reported to the Topographical Bureau from this time until the closing of the Observatory in June, 1845.

In the spring of 1845, the observations of nearly five years had accumulated and remained unpublished. A call was made by the Senate of the United States‡ for a report, and directions given for their publication, to include also the records up to the close of the observatory year.

The observations were made under my immediate direction until my removal from Philadelphia, in December, 1843, when Professor John F. Frazer, of the University of Pennsylvania, took this charge, its general superintendence merely remaining with me. It is perhaps due to both Professor Frazer and to myself to say, that these duties were gratuitously performed.

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*The Committee to whom this act of liberality is due, consisted of James Hutchinson, Chairman, Messrs. Wiegand, Elliot, Tiers, Roach, Anderson, Lindsay, and Winebrenner.

†The names of these gentlemen who at first bore nearly all, and afterwards a considerable part of the expenses of the Observatory, are Nicholas Biddle, Richard Price, Thomas Biddle, Dr. Chapman, Dr. R. M. Patterson, John K. Kane, Dr. George B. Wood, B. W. Richards, Dr. C. D. Meigs, and J. F. Frazer.

‡On motion of Senator Jabez W. Huntington, of Connecticut. As this is passing through the press, (November, 1847,) this able Senator and excellent friend of science has been suddenly arrested in his career of usefulness by death; a loss to the councils of his country, an irreparable loss to his friends.

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As during the progress of the observations, I was engaged in laborious duties, requiring the absolute devotion of a very great portion of my time, I trust that many omissions and irregular performances of duty in directing the observations thus accounted for, will be excused. I must further plead the pressure of absorbing engagements and necessary absence from the place of publication, in excuse for errors which may occur in the course of the following publication of the records of observation. Upon the task of comparison of and deduction from the observations, I have not presumed, under present circumstances, even to enter; but have been obliged to be satisfied with superintending the reduction of the results, and directing such general comparisons as can be made under general instructions.

The final computations have been made by my young friend, Mr. Joseph S. Ruth, (now of the Coast Survey,) who personally took a part in the observations, and in whose faithfulness and intelligence I have great confidence. Whoever has endeavored to insure accuracy in numerous computations like these, knows how difficult Mr. Ruth's task has been, and will give him credit for the zeal and perseverance with which the work has been executed, rather than criticise accidental errors which may remain in it. A list of all such errata as have been found in the course of comparisons, and a general review of the work, has been given by Mr. Ruth, at the close of this preface. The curves printed with the observations have also all been prepared by Mr. Ruth.

First Assistants, and time employed.

1. Prof. J. F. Frazer	
2. Prof. R. S. McCulloh	
3. Prof. W. Chauvenet . .	October 14, 1840, to December 18, 1840.
4. Solon W. Hall	December 18, 1840, to April 7, 1843.
5. Howard S. Correy . . .	April 7, 1843, to June 16, 1844.
6. Wm. H. Rihl	June 16, 1844, to October 2, 1844.
7. J. B. Reynolds	October 2, 1844, to June 30, 1845.

Sub-Assistants, and time employed.

William Uhler	May, 1840, to September 9, 1840.
Hall Grandgent	May, 1840, to October 17, 1840.
Archibald McLean	July 6, 1840, to October 7, 1840.
Hugh Mason	October 17, 1840, to May 24, 1841.
Rufus Chadwick	December 19, 1840, to May 2, 1843.
Samuel McCutcheon . . .	December 16, 1840, to December 31, 1842.
Joseph S. Ruth	September 17, 1841, to April 19, 1843.
James Kirkpatrick	October 5, 1841, to September 3, 1842.
George Davidson	December 29, 1842, to June 20, 1845.

The following Sub Assistants were employed from time to time:

Chas H. Cramp.

C. Cramp,	J. Ricketts,
A. Laidlaw,	C. Schlater,
W. Stephens,	W. Caldwell,
G. Correy,	J. Hewston,
E. S. Hall,	J. Sutton,
A. Magillton,	J. Lynd,

W. Hunter,	G. Chadwick,
J. S. Hedges,	L. Houpt,
R. M. Martin,	C. Bowman,
J. S. Lawson,	T. Souder,
G. Gideon,	F. McCrellish,

ABSTRACTS.

The abstracts were made out at the Observatory by

Prof. W. Chauvenet . . .	May, 1840, to June, 1841.
Joseph S. Ruth	April, 1843, to March, 1844.
George Davidson	March, 1844, to June, 1845.

DESCRIPTION OF THE OBSERVATORY.

The position of the Magnetic Observatory was in 39° 58′ 17″ north latitude, and 75° 10′ 44″ longitude west of Greenwich.

It was a wooden building, resting upon a granite foundation. The soil, a reddish gravel, was excavated to the depth of about four feet, for the foundations. Iron was carefully excluded from every part of the building; the nails used were of copper, the locks, hinges, &c., were of brass. The Observatory was built by James O. Sawyer, master carpenter at the Girard College, who labored to make every part of it suitable to the purposes for which it was intended. In the setting up and adjusting the instruments, Mr. Sawyer's skill in manipulation rendered me important assistance. The arrangement of the rooms will be seen by reference to the drawing. The large room, containing the magnetic instruments, was thirty nine feet and two inches in length, and nineteen feet four inches in width. The computing room, containing the anemometer, was fourteen feet and two inches in length, and nine feet and ten inches in width. The small room adjoining this, which was used by the observers as a sleeping apartment, was of the same length as the latter, and was four feet in width. The partitions and walls of the building were one foot in thickness. The floor was one foot and a half above the ground, and the ceiling about thirteen feet above the floor. The trussed roof was capped by a trap-door, extending nearly half of the length of the building, which being opened, secured the means of adjusting the transit instrument on the meridian. The longer sides of the building were in the direction of the magnetic meridian of 1839. The doors and windows of the Observatory were double, to prevent currents of air from affecting the instruments. As another security against currents of air in the Observatory, it was the intention, at first, to have no fire except in the computing room, where the flue from the grate passed through a massive pier of masonry, preventing any radiation of heat to the observing room. The great differences of temperature which this caused, and the complaints by the observers of their hardships, thus occasioned, induced me to believe that the currents of air that would be produced by a fire, would be the less evil. Accordingly, in November, 1841, a stove of soapstone was placed in the observing room, the pipe and other accessories being of copper. The pipe passed, at a distance of about six feet, above the declinometer, and to the south of it, through the partition, into the flue before spoken of. Anthracite coal was burned. Experiments were made to discover if currents of air were occasioned by

this fire, but none were detected. This enabled the observers to preserve, in winter, the temperature more nearly constant.

The Observatory was designed for the two magnetometers invented by Professor Gauss. The changes in the places of the instruments, occasioned by the introduction of the Lloyd vertical force, is described under the head of "Placing of the Instruments," in another part of this Preface.

MAGNETICAL INSTRUMENTS.

The *Declinometer* was of Gauss' pattern, and made by Meyerstein of Göttingen. The bar was two feet seven-eighths of an inch long, one inch and a half broad, three-eighths of an inch thick, and weighed ten pounds. The suspension thread was composed of parallel fibres of raw silk, without twist. The thread laid in the groves of a screw working horizontally into a nut attached to the ceiling, so that when, by the lengthening of the fibres, it was necessary to wind up a portion of the thread, the same vertical position would be preserved. To note the changes of declination a small telescope was employed, whose motion in a vertical plane allowed reference to be made, from time to time, to a mark upon the ceiling. The scale was of white card paper, having the divisions (one millimetre each) lithographed upon it. The divisions admitted readily of being divided by the eye into tenths. The value of one division was was found to be 27″.3, whilst in the College building, (previous to July 20th, 1840,) to 20″.7. For a full description of the declinometer see Taylor's Scientific Memoirs, vol. II. part I, page 30. Its place in the Observatory is marked *d* in the drawing, that of the telescope D. The coefficient of torsion was found to be so small that no account was taken of it in the reductions. It amounted to 17.1 divisions of the scale for 180°.

The *Bifilar or Horizontal Force Magnetometer* was of Gauss' pattern, and made by Meyerstein of Göttingen. The bar was three feet five-eighths of an inch long, one inch and seven-eighths broad, one half of an inch thick, and weighed twenty-five pounds. The suspension wires slightly inclined to each other, but as the force of torsion was calculated by Professor Lloyd's formula, this is immaterial. This instrument is fully described in Taylor's Scientific Memoirs, vol. II., part I., pp. 252 *et seq.* The value of one division of the scale, in parts of the total horizontal force, was found to be, in May, 1840, .000.035; in June, 1841, .000.038; the mean, .000.036.5, has been used as its value throughout the series of observations. Its place in the Observatory is marked *h* in the drawing, that of its telescope *H*.

The *Lloyd Balance, or Vertical Force Magnetometer* which was used until January, 1841, is fully described in the "Account of the Magnetical Observatory of Dublin, &c.," by Professor Lloyd. It was twelve inches in length, having at its ends cross wires set in copper rings. Its centre of gravity was supported by a knife edge, and equilibrium was produced by means of fine screws working in nuts on the arms of the needle. The value of one division of the scale, in parts of the total vertical force, was found to be .000.016.5, both in the College building and Observatory. The relative intensities of the three magnetometer bars was, for the horizontal force, the declinometer and the vertical force respectively, 57.40, 20.12, and 1, as determined April 17th, 1840. As the introduction of the reflecting vertical force magnetometer changed the arrangement of the instruments, the position of this is not marked on the drawing.

Reflecting Vertical Force Magnetometer.—The Lloyd vertical force instrument was replaced in January, 1841, by a reflecting one upon the same principle, made at my suggestion by Joseph Saxton, Esq. The magnetic bar, of a trapezoidal form, and cut off at the ends by two planes making a considerable angle, was supported by a knife edge passing through the axes of figure, and carrying a mirror turning with considerable friction on a cylindrical axis, at right angles to the plane of the bar. The bar was two feet one inch long, two inches wide in the middle, one and a half where it was cut off by the planes, and a quarter of an inch thick. It was of steel, hardened as perfectly as Mr. Saxton could effect. The knife edge rested upon agate planes, supported by brass columns attached to the heavy wooden base of the instrument. The base was supported by four levelling screws, and the case protecting the instrument from currents of air was lined with copper, to serve as a damper. The top of the box was a piece of plate glass, through which a thermometer, (by Francis,) reading with a vernier, could be seen. The bar could be made to rest upon y's instead of upon the agate planes. The means of changing its equilibrium were also provided by a ball moving upon a fine screw. The mirror projected beyond the side of the box, and was observed by a telescope, as in the case of the declinometer and bifilar, the scale being, however, vertical, and the mark for adjustment of the observing telescope being at the side, and on one of the elements of the cone described by the telescope when moved laterally

The introduction of this instrument (in January, 1841) required a new comparison of the relative intensities of the bars. The force of the bifilar, declinometer, and vertical force bars was in the proportion of 7.73, 2.60, and 1. A new computation was made with these numbers by the formula before referred to, the direction of the line in which the centres of the three instruments were to be placed, determined, and the line laid off. The bifilar retained its place, the declinometer and its scale and telescope being moved to suit the new direction. A marble shelf was inserted behind the clock case (Mr. Lukens carefully examined the clock to exclude iron or steel from it, before placing it in the Observatory) for the reflecting vertical force instrument. As before, the equilibrium of the declinometer proved to be most satisfactory.

Having carefully determined the value of the scale of the Lloyd vertical force magnetometer, I considered that the value of the new scale could best be ascertained by comparison with the former. The result of this, continued at intervals, was, that two divisions of the new scale were equivalent to one of the old, or that a change of one division corresponded to a change of vertical force of .000.033 of the total vertical force. This was after the instrument had been finally adjusted. For some time after being put up, the bar lost small portions of force, and the adjusting ball and screw were used to keep it about the middle of the scale. This instrument was very convenient indeed, especially for use by the observers whom I employed, who except a few had little or no experience in observing, and to whom the use of the Lloyd, where each observation approaches in character to an experiment, (simple it is true,) presented great difficulties. The removal of the person of the observer and of lights from the vicinity of the instrument, was a most important advantage. The great disadvantage of this instrument was the very considerable effect of temperature upon it, and after a few trials to determine this effect by the inducing methods, I resorted to a plan elsewhere described in this introduc-

tion. The coincidence of the results is better than I had expected, and the *mean* coefficient for temperature, though large, is well determined. The probable accidental error of the mean of 49 results, is only .25 of a division.

The *Dip Circle* was made by Robinson, of London, in 1836. The circle was six inches in diameter. The needles used are Nos. 1 and 2, and the poles reversed in each set of observations. The ends of the needles are marked A and B. It was observed upon a marble pier, about twenty feet to the southeast of the Observatory.

SUBSIDIARY INSTRUMENTS.

The y's of the *Transit Instrument* rested upon marble piers, which were supported by a marble block four feet long and two feet wide. The floor was framed around the block, leaving a space of two inches, to prevent any jarring from affecting the instrument. The tube was of plaster. The instrument was made by Lukens, of Philadelphia. A mark for adjusting it was fixed upon the solid granite wall of the Penitentiary, at the distance of about one quarter of a mile. The position of this instrument in the Observatory is marked *A* on the drawing.

The *Astronomical Clock* was attached to a marble block two feet eight inches long, at the top six inches wide, at the bottom one foot and six inches. The floor was framed around this as around the transit block. Both blocks rested upon foundations, which extended to the distance of four feet below the ground. The pendulum of the clock was of brass, and made compensating, by carrying with it a cistern of mercury. The position of the clock is marked *B*. The clock was used directly to indicate the times of observing the declinometer. Two chronometers gave the time of observing the horizontal and vertical force magnetometers. These chronometers were compared every day with the clock.

The *Telescopes* of the three magnetometers were also set upon marble blocks disconnected with the floor.

METEOROLOGICAL INSTRUMENTS.

These consisted at first of a barometer, a dry and wet bulb thermometer, a Daniell's hygrometer, one of Saussure's for comparison, and a self registering anemometer, and rain-guage by Osler, of Birmingham. To these were afterwards added temporarily, a barometer, by F. R. Hassler, and two radiation thermometers by Fisher, of Philadelphia. During the course of the observations a new dew point instrument of my own invention, was substituted for the Daniell's hygrometer.

The *Barometer* was a cistern barometer, made by Fortin, No. 8. The tube was about a quarter of an inch in diameter. The brass scale was divided into millimetres, and read by the vernier to five hundredths of a millimetre. It was compared with the standard barometer at Brussels, and found to stand .147 of a millimetre higher. It was compared also with the standard barometer at the Paris Observatory, and found to be 0.487 of a millimetre higher. The cistern was 112.3 feet above mean tide at the Schuylkill Water Works. The corrections for capillarity and temperature were taken from the report of the Committee of Physics of the Royal Society of London. Its place in the Observatory is marked *F* on the drawing.

In January, 1842, a barometer, of the construction of F. R. Hassler, late superintendent of the U. S. Coast Survey, was placed by the side of the Observatory barometer, their cisterns being nearly on the same level. The tube of this barometer was nine-sixteenths of an inch in diameter, and the scale was attached to a steel rod. The observations will be found in the records, the final results for comparison of the two barometers are given in the means of the meteorological observations at the close of the records. It was removed in September of the same year.

Hygrometers.—The hygrometers originally provided for the Observatory, were a Daniell's hygrometer, made by Greiner, of Berlin, a wet bulb, and for comparison, a dry bulb thermometer, (Auguste's psychrometer,) beautifully divided on porcelain to half degrees, by the same maker. and two hair hygrometers by Fortin. The difficult experiment required by Daniell's hygrometer rendered nugatory my attempts to procure regular observations with it, much less reliable ones; no one could use it but the senior assistant, and he was only present during the day, and found its use very difficult. In a dry and cold climate like ours, this instrument cannot be used to any advantage. Of the hair hygrometers, I can say little, not having discussed the observations, but the change of the hairs was obvious to even careless inspection, the point of saturation affording frequent opportunities for observation, and showing great changes in the register of the index. The scale of Saussure's hygrometer, when first put up, marked less than 90° in air containing the maximum of vapor at about 70° Fahrenheit. The wet bulb hygrometer is very convenient during the summer, and when a current of air is blowing over it, so as to produce the character of equilibrium which the the theory of Apjohn supposes. When the temperature is below 32° Fahrenheit, the instrument becomes difficult of use, if the film of ice is too thin, the temperature indicated by the ice bulb is too high, and so if it is too thick, and the just mean is seized only with great care and practice. The observations of the hygrometer were at first the least satisfactory of all in the meteorological list. In April, 1843, I substituted a hygrometer of my own invention, an equilibrium hygrometer. At the time the first of the hygrometers was made, I supposed that I had been the first to apply this principle, but have since found that Professor Belli, of Milan, in his Fisica, vol. II, page 522, had described an instrument of the same kind. The particular construction of the instrument, found after trial of several forms of it to be most convenient, differs sufficiently from Professor Belli's to entitle me, I think, to whatever credit may be due for it; and the first idea shown by a model still existing, would relieve me from the supposition of having borrowed even the principle. Until an extract from Professor Belli's work was given in the Annales de Chimie, I was not aware of the existence of his instrument, though I had procured a copy of his Fisica for the library of the Girard College. The form of the hygrometer referred to, is one of those described in the Proceedings of the American Philosophical Society, vol. II, pages 249, 250, consisting of a small reservoir for water, to be artificially cooled by ice or salts, for ice and for pounded ice and salt, according to the temperature of the point of deposition. A small trough enters the box, and projects from the exterior *horizontally.* The best form and material for this were found to be afforded by a tube of brass. This was closed at the two ends, and had a slit extending along the upper part of it, whilst it projected from the box wide enough to admit the free motion of the stem of a small thermometer, the bulb of which was inserted through an opening at the further end of the tube from the box,

the thermometer itself hanging by a hook to a small wire projecting from the upper part of the reservoir and parallel to the hygrometer tube. The interior of the tube was coated with varnish, to prevent the action of mercury placed in it, and serving to make a conducting contact between the bulb of the thermometer and the metal of the tube. This tube was kept bright by rouge. To make an observation it was only necessary to fill the reservoir with a cooling mixture capable of reducing the temperature of the bar at some cross section exterior to the reservoir, to the temperature of deposition. At this section the envelope of moisture terminated, and here was usually a well defined line, opposite to which the bulb of the thermometer was brought to indicate the temperature. The bulb being very small, it was not thought necessary to apply a correction for the difference between the mean temperature of the bulb and the temperature at the middle point, though, theoretically, there is a small difference. To obtain a sufficiently low temperature, and to allow equilibrium to ensue, was the chief precaution to be taken, a rule as to time of filling the reservoir and a visit to it before observing, to see that the temperature attained was low enough, being directions easily attended to. It required but little tact in the observers, and after a very short trial, all succeeded in making these observations. There results the most extended journal of deposition dew points at regular hourly intervals, which, as far as I am aware, has ever been made. These are reduced and compared with the results by the wet bulb hygrometer, (psychrometer,) computed by Professor Apjohn's formulæ. Care was taken to exclude this hygrometer from the action of the wind, as far as practicable, for otherwise the deposite of vapor is removed as fast as formed from the parts really at the temperature of the dew point.

The special account of the reduction of the observations with the hygrometers, and the tables formed, will be reserved for a subsequent part of this introduction.

The hygrometers were placed in a small projection from the large north window of the Observatory, enclosed by three sides of a hexagonal prism, marked *T* in the drawing, made of inclined parallel strips of thin pine, painted white, excluding the sun, but not the air. An exterior screen, made in a similar manner, served further to protect the thermometer from direct and reflected heat. The bulbs of the thermometers were about four feet above the ground. The scales of the psychrometer were enclosed in exterior glass tubes. On the east side of this screen was placed a box marked C, to contain the ice used with the new dew point instrument. When the sun or high winds did not interfere, the observation with it was made in the angle formed by the sides of the vestibule and Observatory, otherwise, inside the vestibule, on the stand marked C; of course the outer door was kept open.

Radiation.—In June, 1841, (by request of Professor James P. Espy,) two thermometers, made by Fisher, were registered, one was covered with a flock of cotton and exposed to the sky at night, the other had a bulb of black glass, and was exposed to the sun. The observations are found in the records in the columns headed "Radiation." The observations were discontinued after December, 1842.

The *Anemometer and Rain Guage*, by Osler, of Birmingham, registered the direction and force of the wind and the quantity of rain. This instrument has been fully described by the maker. The rain guage was on the roof of the Observatory, twenty-four feet one inch above the level of the cistern of the barometer, and thirty feet above the ground. On the 29th of

October, 1840, a series of experiments was commenced upon the springs, for the register of the force of wind. In May, 1841, slightly curved bars, or nearly flat springs, placed under the table, or registering part of the instrument, were substituted for the spiral springs of the original instrument. The original springs admitted of at least three gradations, and were situated behind the plate which received the impulse of the wind. In the new springs one only is brought into play in slight breezes, the other measured the force of stronger winds. The sensibility of the instrument was thus much increased in light breezes, or below five pounds to the square foot, while it served equally well to register those of a stronger character. The avoiding the great friction of the original instrument, the exposure of the spring to the weather and to great variation of temperature, were other advantages. Besides, the springs being in the computing room, they could be examined more readily, and changes made with more facility. The removal of considerable weight from nearthe top of the vane, and greater compactness, were further advantages. The new springs were of hammered brass. On May 11th, 1841, the scale of the motion of the pencil, registering the force of wind, was satisfactorily determined. The means of the observations previous to the commencement of the experiments, have been inserted in the tables of the means of the meteorological observations for 1840, but cannot be depended upon. From July, 1841, the observations are more reliable. Even then the force of light winds was imperfect.

Snow Guage.—In November, 1841, Mr. Solon W. Hall, then first assistant in the Observatory, caused the rain guage to register the fall of snow, by enclosing it in a case, supplied with steam of low tension by a pipe from a small boiler placed on the Observatory stove. The snow which struck upon the guage thus moderately warmed, remained upon it, and melting, ran into the reservoir for the register of rain. The register of snow was, however, defective. The hourly fall could not generally be ascertained, and sometimes the snow was not even melted.

PLACING OF THE INSTRUMENTS.

The Observatory was designed for the two instruments invented by Professor Gauss, and arranged accordingly. These instruments, the declinometer and bifilar, were to be placed according to the problem developed by Gauss, (Taylor's Scientific Memoirs, vol. II, part I, pages 270–1–2,) and the observing telescopes were to be placed upon two piers at the north end of the building, the cross hairs of the transit instrument at the south end serving as a collimator mark for the declinometer telescope, and the declinometer bar being nearly in the axis of the building, north and south. Thus the absolute variation could be easily observed, and there was room on each side of the bar for the experiments of deflection. Just after the piers were erected, I received a description from Professor Lloyd, of his vertical force magnetometer, and did not hesitate, for the sake of observing changes in the three magnetic elements, to alter the arrangements of the Observatory, and to adapt it, as far as practicable, to the introduction of his vertical force instrument, in conjunction with the bifilar or horizontal force magnetometer, and the declinometer of Gauss. The relative intensities of the three bars were accordingly determined by experiments of deflection, with the subsidiary apparatus in the College building. The deflected bar was a Gauss declinometer bar, the distances were carefully measured, and were such

such, that no permanent change of magnetism could take place. The relative intensities of the three bars were, for the bifilar bar 57.40, declinometer bar, 20.12, the vertical force bar, 1. These experiments were made on the 17th of April, 1840. The positions of the three instruments were determined by the problem given by Professor Lloyd, in the Transactions of the Royal Irish Academy, vol. XIX, part II, in which the declinometer is placed in equilibrium by the other two instruments. I was obliged, however, by the form of the Observatory, to take the root of the equation corresponding to the less stable equilibrium. Having by computations determined the relative distances of the bars, and the angle made by the line joining their centres with the magnetic meridian, the line was drawn and the distances were carefully laid off from a standard scale, and the supports arranged accordingly. The approximate distance between the bifilar and declinometer bars was given by the form and dimensions of the Observatory, and also the position of the bifilar; it being desirable that a mark for the observing telescope of the latter should be found on the north side of the western projection of the building, and that the declinometer should not interfere with the entrance to the computing room, where the anemometer was placed. The vertical force instrument was placed upon a wooden stand.

ADJUSTMENTS.

Declination Magnetometer.—The three instruments being in position, the declinometer was carefully and repeatedly observed. Then the horizontal and vertical force bars were removed, and the declinometer found to remain in equilibrium, within the limits of change of the declination during the observations, which were frequently repeated. During the course of the experiments for determining the value of the scale of the bifilar, and those for trying the equilibrium of the declinometer, I perceived that after the removal of the bar of the bifilar, and its restoration to its place, the instrument did not read upon the same division of the scale. I tried various experiments to determine the cause and to obtain the control of this, but could not succeed in either object.

On first commencing the observations, it was plain that routine observations could be secured, for being simple in their character, it is easy to train up observers. For the work requiring the presence of the head of an Observatory, I could not provide. An intelligent assistant had enough to do to keep regularity among the young observers, to examine their work, to observe at hours when the services of others could not be had, to see that the reductions were made, the books in order, the time correct, and many other miscellaneous duties of an onerous and engrossing kind. Then too, I had not means to keep even one such an assistant permanently. The changes were frequent as the list given in another part of this introduction shows. My own duties in the city, rendered frequent or long visits, except at night, impracticable. I had supposed when the Observatory was erected, that I should be a resident on the premises, but not only this did not occur, but my official connection with the Girard College did not continue, and I assumed other and engrossing duties. The change of position of the instruments, which threw the declinometer from the middle of the breadth of the building to the western side, and close to the wall, rendered deflection experiments difficult, if not impossible; the line perpendicular to the direction of the bar on the western side, passing into a massive stone pier containing a flue from the grate (of copper) in the comput-

ing room. All these circumstances taken together, induced me to confine the observations professedly to *differential* results, and to concentrate the whole attention of the observers upon them, leaving the instruments as far as practicable undisturbed by the removal of bars.

Bifilar Magnetometer.—The great length of the wires of this instrument gave very considerable sensibility to it, a single division on the scale expressed only 0.000 036.5 of the total force, with a convenient distance between the wires, as determined by the lower screw to which they were attached, and with the requisite strength to bear the heavy twenty-five pound bar. At first the mistake was made of obtaining too weak a wire, one which being uniformly strong, would have born this weight, but which gave way at weak points. In experimenting upon the different methods of adjusting, I found that given by Professor Lloyd, in his "Account of the Magnetical Observatory of Dublin, &c." the best adapted to the circumstances under which I was working, although I also used the more elaborate method of Gauss with tolerably satisfactory results. Having no subsidiary bifilar magnetometer, and the vibrations of the subsidiary declinometer, at the College building, proving an altogether insufficient check upon this much more delicate instrument, the most rapid method of adjustment was the best. The measure of force is obtained by the angle through which the suspension must be twisted to place the bar at right angles to the magnetic meridian, (Z in the notation adopted.) This value was found, in May, 1840, to be 71° 43′. The wires attached to the rafters of the trussed roof of the building it was feared, on first setting up the instrument, would, in high winds, transmit a vibratory motion in a vertical direction, interfering with the distinctness of reading. This, however, never occurred, even in the highest winds, to the extent supposed, and in general was imperceptible. The effect of the small vertical force bars upon the bifilar was quite insensible, and that of the declinometer affected the value of the scale very slightly. These were determined by experiment in June, 1840, when the total effect of the other instruments was determined to be to change the value of the scale division in the proportion of 1 to .995.622. After the bifilar was set up, a motion commenced in the direction of decrease of force, and was progressive, though not steadily so; at last an extra scale was required on occasions of auroral disturbances, and finally the ordinary readings were upon this extra scale. I availed myself of the opportunity afforded by the change of the vertical force instrument, in January, 1841, to examine the magnetism of the bar, and found a sensible decrease, its force amounting to .9601 of its force in May, 1840. These experiments were made by deflections of the subsidiary declinometer, the only means in my power. The change of force shown upon the scale from June, 1840, to January, 1841, using the monthly means, was .0165, by these experiments, .0399. A further experiment of the loss of force was made in June, 1841, when the instrument was accidently disturbed by one of the observers. The loss of force then found by determining the value of Z, was .0314 of its force in January, 1841. The change of force shown upon the scale from January to June, 1841, using the means of the month, was .0026. The decrease of horizontal force, from July, 1840, to June, 1841, as deduced from observations of the dip, was .0050, considering the vertical force to have remained constant.

To ascertain the law of change of force of the different instruments, vibrations were made without the dampers, at stated times. They led, however, to no satisfactory result, as may be seen by consulting the table in the observations, p. 821. The value found for each division of the scale, in

terms of the horizontal force, in June, 1841, was .000.038, or scarcely altered from its former value. The mean value is .000.036.5. The bar now moved very slowly in the same direction, indicating a loss of force, requiring experiments not in my power to make, to determine positively whether this is all due to the decrease of force of the magnetic bar. I prefer, for the present at least, to consider the appropriate uses of the results as being differential. If time should serve hereafter to return to the discussion, I might perhaps be able to clear up this doubt. As to the cause of this loss of force, experiments at different times indicated that it was rather from changes of temperature than from oxidation. Full data are in the records to determine whether successive increases of temperature do or do not permanently affect the force of the magnet, and whether after the temperature has once reached a certain point, any increase to a lower point continues to discharge a part of the magnetism or not. I cannot now, however, enter into this discussion. The corrections for temperature were obtained by more elaborate, and probably more unexceptionable methods than those which I have yet seen recorded in other observations, notwithstanding which I was engaged in experiments to substitute compensating bars according to Dr. Lamont's suggestions, when obliged, from entering another career, to leave these interesting pursuits.

Vertical Force Magnetometer.—The adjustment of the Lloyd balance magnetometer, was made so as to give a sensibility which would not carry it off the scale during strong auroral disturbances, of which one occurred just after it was set up, and which in ordinary conditions of the force, brought the bar about the middle of the scale. The ordinary adjustments of the point of support and cross hairs used in reading, by equality in length of arms and the like, were duly attended to, as laid down by Professor Lloyd in his very clear instructions for the use of the instrument. The value of the scale in terms of the vertical force was determined, according to his suggestion, by comparing the oscillations of the needle suspended so as to vibrate horizontally, and vibrating without its dampers in the vertical plane of the meridian, and was verified by changing the position of the centre of gravity, so as to bring it in the axis of suspension, and vibrating in two planes at right angles. This instrument exhibited, instead of a decrease of force, a slight increase from June, 1840, to January, 1841, as shown by a diminished time of vibration when on its agate supports, a proof that the knife edge had undergone no injury. The value of each division of the scale (the K of the magnetic instuctions of Professor Lloyd) was .000.033. I have said nothing here, or in speaking of the bifilar, of the determinations of the angular value of the scale, which of course was carefully attended to by the different modes applicable to the two instruments. The same horizontal plane contains the magnetic axes of the three instruments. The great proximity of this instrument to the declinometer, which was required in order to produce equilibrium with the bifilar bar, rendered it liable to a change, which, as soon as observed, and the cause ascertained, was carefully watched. This was produced by the slipping of the fibres of the declinometer suspension, which caused the elongation of the thread, and thus placed the axis of the declinometer bar in a plane lower than that of the vertical force bar. The correction for temperature of this bar was very small, and the mean value of the coefficient was determined in the usual way, by vibrating in a horizontal plane at different temperatures. From this cause, if from no other, I would prefer much the use of small bars; it may be possible so to temper large masses of steel as to make the coefficient of temperature small, but in those which I have had

occasion to use, this has not been effected. Strongly impressed with the necessity for using large instruments to indicate with sufficient minuteness the magnetic changes, after having seen the large instruments of Gauss, at Göttingen, I had, after trial, completely changed my views, and was about substituting a set of portable instruments, (actually constructed,) for the large ones in the Girard College Observatory, when compelled to leave the Observatory to its ordinary routine. This change of views resulted in part from the large corrections for temperature, in part from finding that, when the Lloyd vertical force observations were reduced, they indicated more certain results, notwithstanding the difficulties and uncertainties found by my younger observers, in their rough measures, but most of all, from seeing that, in extraordinary disturbances, many of the changes were so rapid as to escape detection by the large bars, from the comparatively long time required for a single vibration.

The details of all these observations for adjustments and placing of the instruments, are fully recorded in the note books of the Observatory, but even if I could find time to present them, it might be considered unnecessary so to do; as it is, such matters of detail must be omitted. The methods used are so fully laid down in the papers referred to, and in the instructions for the observations prepared under the direction of the British Association for the Advancement of Science, that even an unpractised experimenter could not be at a loss for any one step in the arrangement of the instruments.

ON THE CORRECTION FOR TEMPERATURE OF THE HORIZONTAL FORCE INSTRUMENT.

The first observations for the correction for temperature of the horizontal force bar were made on the 16th of July, 1840, the bar having been mounted in the Observatory. A common pine box, copper fastened, was substituted for the box usually enclosing the needle; this was covered with the usual top of glass, in a frame of wood. A second box enclosed the first, leaving a space of about six inches, in which pounded ice was placed.

The position of the horizontal force magnetometer was noted at the ordinary temperature, corresponding oscillations of a bar suspended horizontally in a different building being made to furnish elements for the change of the horizontal magnetic force during the experiments. When the mean position of the magnetometer bar, and the corresponding time of oscillation of the bar of comparison, were supposed to be ascertained, ice was placed in the cavity between the boxes before described, the layers being covered with salt, to hasten the melting. The position of the instrument was noted on the usual scale, and the height of the thermometer enclosed in the box with the magnetometer bar, the bulb being as near the centre and as close to the bar as was safe.

When the temperature had remained at the lowest point for a considerable time, the ice was removed, and the bar was allowed to resume the temperature of the room.

Comparative observations were made by the oscillations of the suspended bar before referred to, during the course of the experiments. The bar was one of the Gauss', mounted for a declination magnetometer, with its mirror and case, but the quieting rectangles of which were removed. With all the advantage of minute accuracy in noting the oscillations, the correction thus afforded was absolutely valueless from its comparatively rude indications, a fact

which was abundantly proved in other repeated attempts to employ it, so numerous that accident cannot be charged with the conclusion.

Tracing a curve to represent the observations of the horizontal force magnetometer, its ordinates decrease regularly with the decrease of temperature, until a certain point where the curve rises, though the temperature, as shown by the thermometer, continues to fall. The apparent changes of the horizontal magnetic force, as shown by vibrations, giving no effective correction, it is of course safest to use the observations at the extremes of temperature, or rather at the highest temperature, and at that where the curve begins to rise, the temperature still falling; these observations were as follows:

First observation,	833.3, readings of scale of declinometer,	83.5°	Fahr., temp.
Second "	845.3	80.0	
Mean	839.3	81.7	
Last observation before change	712.7	38.	
Difference . .	126.6 on scale.	43.7°	Fahr.

giving a correction of 2.9 divisions of the scale for one degree of Fahrenheit.

If the observation next before the change in the direction of the curve be taken, the result will be as follows:

Mean of first and second observations, as before . . .	839.3, scale of magnetometer, at	81.7°	Fahr.
Observations next before change of curve	720.7	39.4	
Difference	118.6, division of scale . . .	42.3	Fahr.

making the correction for one degree of Fahrenheit 2.8 divisions of the scale.

Assuming the temperature to decrease regularly with the times, or the curve to be a straight line, which it is nearly until towards the minimum, the same correction would appear to be 3.1 divisions of the scale. The mean of these three determinations for this instrument is 2.93 divisions for 1° Fahrenheit. The time of the experiment was 2h. 44m. The time taken to reattain the temperature of the Observatory was so considerable as to induce the rejection of the results without special examination.

I had intended to try the method of deflection next, but the very small amount of change in deflection resulting from experiments made, when bars of the magnitude of this one are placed at the requisite distance to secure their not being permanently affected by each other, turned me aside from that method, after trying it upon the large vertical force bar, and I again resorted to a method similar to the one first stated, except that the apparatus was heated above the ordinary temperature by spirit lamps in the space before occupied by the ice.

For comparison of the horizontal force, I used one of Weber's portable declinometers, substituting for the suspension fibre, a silver wire, so as to form a unifilar force magnetometer. I was disappointed in its action, however, the position changing permanently; and after many trials to obviate the irregularity, was obliged for the time being, to give up this idea, and to resort again

to comparisons by vibrations. The result of this experiment was even more unsatisfactory than that of the others, the whole occupied five hours and a half, the attempted corrections by vibrating a declinometer bar had no significance, and the differences between the first observations and those about the highest temperature, and of those about the highest temperature and the last observations were very considerable. The mean correction deduced, was three divisions for 1° Fahrenheit. The differences of the extremes of temperature was 54°.3, and the highest temperature, nearly 100°, was maintained for about one hour. Though the bar did not at once resume its usual position in the scale, indicating some loss of magnetism, this did not appear to be the case from the observations of the following day. These observations were made on the 22d of February, 1841, or seven months after the former ones.

At the beginning of 1842, a continuous series of observations was made, by allowing the Observatory to attain the winter temperature on one day of the week, and obtaining thus by comparison with the preceding and succeeding days, when the room was artifically warmed, the correction The declinometer bar was vibrated in a building, the temperature of which remained nearly constant, but as before no useful result was obtained. The comparison of observations on twelve days gave the following results :

	Difference.	
	Temperature.	Scale.
January 15, 16, 17, ...	24.5	31.3
22, 23, 24, ...	29.2	68.4
February 19, 20, 21, ...	22.3	19.
26, 27, 28, ...	7.5	10.5
Sum	83.5	129.2

or 1.55 divisions of the scale for 1° Fahrenheit.

The unsatisfactory nature of these results determined me first, to bestow all the time I could personally spare to obtaining an efficient set of subsidiary instruments ; and second, when they were obtained, to have daily observations made by comparison with the Observatory instruments.

This was finally accomplished about the close of 1842, when there were mounted in one of the College buildings, a small declinometer, a small bifilar, and an inclinometer on Prof. Lloyd's plan. The bifilar was a bar about nine inches long, suspended by fine silver wires, and was observed by reflection. This being in effective condition, it would seem that there was nothing wanting to determine the correction for temperature, but patient observation. A set of comparative observations, six in the set, were made each day, in the morning and afternoon. The comparison of them proves most conclusively that, if they be admitted as of any value, there is an unascertained influence in regard to temperature, not embraced by our ordinary considerations in reference to the matter. The results are too fluctuating and discrepant to be explained by errors of observation, or by inequality of temperature of the needle and thermometer. I have discussed the observations of two years, 1843 and 1844, first in reference to obtaining the relative values of the scales of the two instruments, and second to the correction for temperature. To obtain the relative value of the scales of the instruments, observations were compared, in which the difference of temperature was small, so as to admit of the application of an approximate correction, the differences of

intensity considerable, and which were taken within a few days of each other, so that the gradual change of intensity in the magnets should not affect the results. The results will be found in the annexed table, which gives the dates of the observations, the number in the course of the month which were found suitable for the comparison, the sum of the divisions of each of the scales compared, and the ratio of the two scales. Very anomalous observations were rejected. There is no ratio which will satisfy more than approximately all the observations, but as the comparison thus sought is to be used in cases where there is but a small difference in the intensity readings, it is quite sufficient for the purpose.

TABLE

Showing the ratio of the scales of the horizontal force magnetometer of the Observatory, and of the subsidiary horizontal force instrument.

Date.	No. of Comparisons.	Sum of all the differences in the observations compared.		Ratio of scales.	Mean ratio for the periods marked.
		Observ'y Mag'r.	Subsid'y Mag'r.		
1843.					
February ..	2	47.0	19.7	2.4	
April.....	6	130.5	55.5	2.3	
May.....	4	85.3	34.3	2.5	
June.....	8	180.4	58.2	3.1	
July.....	9	238.3	95.5	2.5	
August	9	294.3	100.4	2.9	2.6
September	10	201.5	74.5	2.7	
October....	5	126.7	45.1	2.8	
November.	7	90.8	45.5	2.0	
December.	4	82.3	30.6	2.7	
1844.					
January ...	5	73.2	34.1	2.1	
February ..	7	112.	55.3	2.0	
April	6	193.8	101.	1.9	2.1
May.....	16	453.1	207.7	2.2	
June	5	168.1	73.5	2.3	
July	8	145.7	98.6	1.6	
August	6	136.5	92.7	1.5	
September	6	116.8	66.1	1.8	
October....	10	168.9	92.6	1.8	1.7
November	13	322.2	18.8	1.5	
December.	11	210.5	114.8	1.8	

Next the observations of the Observatory magnetometer, near to each other in date, having nearly the same intensity as shown by the subsidiary force instrument, and in which the temperatures differed considerably, were classed together and compared, reducing for the small differences in intensity shown by the subsidiary instrument. The correction for temperature of the subsidiary instrument was neglected, as the changes of the temperature in the building where it was placed were small, and those of the instrument caused by

them, were found on examination of the results, to be less than the error of observation.

If any value be attributed to the subsidiary observations, numerous as they are, made by several assistants (generally the principal assistant for the time) in turn, and with a watchful care over the instruments, it is certain that they indicate elements in the correction for temperature, different from those generally supposed to enter into it. No reasonable suppositions in regard to differences of temperature between the thermometer and the magnetic bar, or to changes in the coefficients varying with the temperature, will explain all the cases presented by these observations. The classification of the results will give no doubt approximate coefficients, which at a mean may apply as corrections. The method is not liable to the objections occurring to the usual mode of obtaining this correction, and the large body of results brought to bear upon it, would entitle the coefficients to confidence, were it not for the palpable irregularities presented in the course of its application. Not to go into this discussion further at present, I subjoin a table of results for 1843 and 1844, in the different columns of which are shown the dates of the observations, the number selected for comparison, the sums of the observed differences of reading on the scales, corrected for the changes shown by the subsidiary instrument, the sum of the differences of temperature observed, and the correction for temperature thus deduced in divisions of the scale.

TABLE

Showing the correction for temperature of the horizontal force magnetometer

Date.	No. of Comp's.	Sum of the differences.		Ratio or correction for temp'e.	Mean for six months.	Mean for the year.
		Magnet'r.	Thermom'r.			
1843.						
Feb., Mar.	5	208.9	121.3	1.7	2.50	Mean for 1843, 2.39.
April.....	6	120.7	47.4	2.5		
May	13	243.4	95.1	2.6		
June.....	11	288.9	90.4	3.2		
July	10	188.	73.7	2.6	2.28	
August.....	8	146.	51.3	2.8		
September	12	281.3	118.2	2.4		
October....	8	154.4	70.9	2.2		
November	8	146.8	72.9	2.0		
December.	13	203.7	119.5	1.7		
1844.						
January...	11	183.4	112.	1.6	1.94	Mean for 1844, 1.97.
February..	11	163.	91.6	1.8		
April.....	8	137.4	67.7	2.0		
May	6	132.4	63.8	2.1		
June.....	11	255.8	118.2	2.2		
July	12	184.5	106.9	1.7	2.00	
August.....	10	113.4	67.1	1.7		
September	8	95.	74.8	1.3		
October....	16	235.9	93.9	2.5		
November.	10	236.1	92.2	2.6		
December.	8	93.8	41.6	2.2		

I also tried another method of discussing these observations, which, however, was not as unexceptionable as the one just given. It consisted in taking the results corresponding to the highest temperatures during each winter, and comparing them with those corresponding to the lowest temperatures, a correction being made to reduce the position of the subsidiary magnetometer corresponding to the first mean to that corresponding to the second. These comparisons were liable to be affected by the unequal distribution of the results used over the different parts of the month, for the magnetometer bar was losing its force so as to make the indications of the scale different at the same terrestrial intensity, at intervals separated by a considerable time from each other. The conclusions derived from this mode of discussion do not, however, differ very materially from those already given, upon the plan which is preferred, as the following table will show.

TABLE.

Date.	No. of observ'ns	Range of temperature.	Observatory Magnetometer.		North House Magnetometer.		Sum of the differences.		Ratio or corr. for temperature.	Mean ratio for 1844.
			Scale.	Temp.	Scale.	Temp.	Scale.	Temp.		
1844.										
Jan. 1—27	6	46.2–35.8	966.	40.3	49.4	31.7	26.6	20.4	1.30	
3—24	6	62.8–59.3	993.4	60.7	49.8	38.5				
Feb. 1—19	7	47.6–38.2	995.6	43.4	62.	31.4	27.8	17.5	1.59	
2—29	6	65.2–56.1	1025.5	60.9	63.	36.1				
Apr. 1—20	5	54.9–51.2	1046.9	53.2	84.7	55.6	48.9	19.4	2.52	
4—24	5	75.6–69.1	1079.4	72.6	76.9	55.6				2.03
13—26	5	76.8–68.3	1073.6	71.3	83.7	65.	28.8	18.1	1.59	
May 1—23	6	63.5–58.8	1061.3	61.5	93.5	65.6	31.8	15.2	2.09	
3—28	6	78.6–74.7	1079.2	76.7	86.9	70.2				
June 3—27	5	87.5–74.3	1098.8	80.2	88.9	76.5	48.1	18.5	2.60	
1—28	5	86.7–75.3	1108.1	82.	91.8	78.				
5—15	5	62.9–60.7	1065.	61.7	95.7	69.6	51.3	20.3	2.53	
July 5—27	5	70.9–65.9	1111.5	68.6	100.7	76.6	31.9	17.4	1.83	2.16
10—24	5	86.4–85.2	1135.8	86.	96.2	82.3				
Aug. 6—22	5	72. –68.1	1143.8	70.4	106.7	77.2	27.5	12.6	2.18	
1—21	5	86.3–76.5	1146.8	83.	92.3	79.4				
Sept. 6—28	5	65.6–58.	1122.7	61.1	116.3	68.1	2.1?	21.1?		
10—21	5	84.6–80.9	1115.6	82.2	110.9	75.8				
Oct. 12—31	5	65.6–57.	1112.4	60.7	110.8	52.6				2.29
2—18	5	79.2–75.2	1142.	76.9	105.2	59.5	39.1	16.2	2.41	
Nov. 1—25	5	58.1–48.	1110.3	53.3	124.3	45.6				
4—23	5	71.2–68.9	1162.5	70.	131.9	53.7	42.5	16.7	2.54	
Dec. 9—30	5	56.1–49.6	1182.7	53.1	114.4	40.				
6—27	5	66.3–62.	1191.3	63.8	103.	43.9	26.4	10.7	2.47	

The tables of which these are abstracts, are not given, because of the amount of detail to which it would lead. Questions in regard to the extent of the variations of temperature, or of scale reading contained in them, will be answered by referring to the tables of the regular observations for the months and years indicated in the column of dates.

The following is a general summary of the attempts to determine the correction for temperature:

II	July 16, 1840.....	3.1	Mean of seven observations made by cooling the magnetometer bar, and observing the readings of the instrument. Defective on account of imperfect correction afforded by vibrations of a separate declinometer bar. Difference of temperature 42°.3.
III	February 22, 1841.....	3.0	Mean of highest and lowest temperatures observed in heating the magnetometer bar and observing the scale. Defective as before. Difference of temperature 54°.3.
IV	January 15—22, 1842... 16—23, 1842... 17—24, 1842... February 19—26, 1842... 20—27, 1842... 21—28, 1842...	1.5	Mean of eight results by comparing position of declinometer in a day when the Observatory was allowed to cool, with the position at the same hour the preceding and succeeding days with different temperatures. Defective from failure of subsidiary horizontal force apparatus, and vibrations of declinometer. Difference of temperature 10°.4 for each result.
I	February to June 1843...	2.5	Mean of thirty-five results by comparisons with subsidiary instruments, made twice each day. Difference of temperature 10°,1 for each result.
	July to December, 1843..	2.28	Mean of fifty-nine results on the same plan. Difference of temperature 8°.6 for each result.
	January to June, 1844...	1.94	Mean of forty-seven results on the same plan. Difference of temperature 9°.6 for each result.
	July to December, 1844..	2.00	Mean of sixty-four results on the same plan. Difference of temperature 7°.4 for each result.

These results occupy the rank of the numbers placed before them in reference to the order of weight. It is, I think, a fair inference from them, that the correction for temperature has diminished, and that in the different years it might be taken as follows:

1844, 2.0	Experiment	gives	1.97	of greatest authority.
1843, 2.3	"	"	2.39	"
1842, 2.6	"	"	1.5	of least authority.
1841. 2.9	"	"	2.9	probably of medium authority.
1840, 3.2	"	"	3.1	of medium authority.

The mean of these is 2.6. A correction of 2.5 was used in the original reduction of the observations while making, but I have preferred to substitute the coefficient, as just stated, in the different years, in the reductions now given. It would not be difficult to assign a physical reason why the coefficient should thus change, but I give it now as the general conclusion from the observations. If no weight whatever be attributed to any observations but those of 1843 and 1844, which will probably be found as numerous and unexceptionable as have been devised for obtaining this correction, the results of 1840 and 1841 will be the chief ones affected by the uncertain correction. These are the least valuable on all accounts, the first being a broken year, and the second, one in which the observations were less developed than in the succeeding years. I see no special reason, however, for believing that the correction for temperature does not approximate to the truth, even in 1840 and 1841, as far as the assumption is admissible, that the changes in the magnetism of the bar and the changes of temperature are proportioned, and that the bar resumes the same permanent magnetic condition in resuming the same temperature.

ON THE CORRECTION FOR TEMPERATURE OF THE VERTICAL FORCE INSTRUMENT.

The correction for temperature of the Lloyd vertical force instrument was ascertained by the usual method, of vibrating the small bar when suspended horizontally, and when alternately heated and cooled artificially. A suitable box was prepared for the purpose, having plate glass ends, the means of observing the arc of vibration, of properly suspending the needle, of heating and cooling the needle. The passage of the cross hairs in the needle over a meridian line traced on the bottom of the box, was noted with a chronometer. A thermometer was placed with its bulb near the axis of the needle. The arc of vibration, at the beginning of the observations, was 5°, and that at the end 1°, between which limits the bar made upwards of two hundred and fifty vibrations. The position of the horizontal force magnetometer of the Observatory was noted during the experiments. The experiments were made in a building on the College premises, but not near the Observatory. It is not necessary to enter into further particulars relating to the mode of observing, in which the ordinary course of this kind of observation was pursued. The results are given in the following table:

TABLE

Of experiments to determine the correction for temperature of the Lloyd vertical force magnetometer.

Date.	Time of ten oscillations.	Temperature.	Hor. force mag'r. in Obs.	Temperature.
	Seconds.	Fahr°.	Scale.	Fahr°.
1841.				
February 9	87.950	37.2	1128.8	35.6
"	87.900	41.0	1079.3	36.5
"	88.117	94.6	1139.5	36.1

Reducing the first and second observations to the horizontal intensity of the the third, making due allowance for the difference of temperature of the horizontal force magnetometer in the different cases, the resulting number is 87.990 for the time of vibration at 39°.1, and which is to be compared with 88.117 at 94°.6, by the formula, $q = \frac{2}{t'-t}\,\frac{\tau'^2-\tau^2}{\tau'^2+\tau^2}$, in which q is the correction for 1° Fahrenheit, sought, t' and t are the temperatures; and τ' and τ the corresponding times of vibration. Substituting the numbers in this formula the correction is found for 1° Fahrenheit, $q = .000,051,822$ which is equivalent to 3.1 divisions on the head of the micrometer screw attached to the instrument.

The reflecting vertical force instrument was substituted for the other in January, 1841. Before putting it in its place, observations were made for its correction for temperature by the deflections of a declinometer, but as already mentioned, the distance at which the bar was necessarily placed from the declinometer, to prevent any permanent change of magnetism, rendered the difference of deflections at different temperatures, too small to make the re-

sult satisfactory. The weight of the mirror, and of the parts uniting it to the axis, was too great to render the method of horizontal oscillations satisfactory without removing these fixtures, hence the next mode resorted to for obtaining the correction for temperature, was to compare the indications of a subsidiary instrument kept in a building where the temperature changed very slowly, with those of the Observatory instrument, at different temperatures, the differences of temperature being rendered considerable on consecutive days. The subsidiary instrument was a small dipping needle mounted on a knife edge, which could be turned. It was rendered horizontal by weighting, and the knife edge was then turned into its proper position. The needle was placed in a case to defend it from currents of air. The indications of this instrument proved very unsatisfactory, its position changing permanently. It was observed at intervals of about a week apart for two months. There were four cases in which but little change was shown by the subsidiary instrument on successive days, where the differences of temperature were considerable. These gave fourteen divisions nearly, for the correction for one degree, of the magnetometer scale.

Subsequently an inclinometer, according to Professor Lloyd's plan, was mounted as a subsidiary instrument, and observed twice each day, with the vertical force instrument of the Observatory. These observations were commenced in January, 1843, and were continued till the closing of the Observatory with considerable regularity. To obtain the correction from them, a plan similar to that for obtaining the correction for the horizontal force magnetometer was pursued. The results will be found in the following table.

TABLE

Showing the correction for temperature of the vertical force magnetometer.

Date.	Corr. for 1° Fahr.	Means.	Success'e Means.
1843.			
February	13.1		
	11.9		
March	14.8		
	13.3	13.3	13.3
April	12.3		
	13.9		
	17.5		
	13.5		
June	14.5	14.3	13.8
July	15.5		
	13.2		
	10.3		
	19.4		
	13.4	14.4	14.0
August	11.3		
	10.8		
September	11.6		
	10.9		
	10.4		
	14.		
	15.6		
	13.9	12.3	13.6
October	13.7		
	9.9		

Date.	Corr. for 1° Fahr.	Means.	Success'e means.
1843.			
October.....	12.9		
	13.4		
	9.9		
	13.5	12.2	13.3
November.....	15.2		
	10.4		
	14.9		
	12.3		
	11.7		
	11.9		
	13.2		
	14.3		
	13.2		
	14.1	13.1	13.3
December.....	16.3		
	17.3		
	9.8		
	13.		
	22.8		
	13.6		
	13.8		
	13.3		
	16.6		
	17.4		
	11.	15.4	13.6
Indisc. mean.....	13.56		

Probable error of mean..... .248
Probable error of single result.... 1.720

MODES OF OBSERVATION.

The term day observations were made at the times directed by the Committee of Physics of the Royal Society, in their report and supplement. The ordinary magnetic observations were made as nearly at the times directed by the Committee as the vibrations of the magnetometer bars would admit. The times of vibrations were so great as to prevent entire conformity with their instructions, in reference to the order of observing the instruments, without the observation of one instrument interfering with that of another. Each observation entered in the abstracts is the mean of three readings at the times $T-t$, T, and $T+t$, where T represents the epoch at which the position of the magnet is required, and t its time of vibration. In adding the three readings together to take the mean, the middle one is doubled and the sum divided by four.

TIMES OF OBSERVATION.

The ordinary magnetic observations, previous to October, 1843, were made every two hours, subsequently every hour. In 1840 and 1841, the times of observation were, for vertical force, two minutes and a half before, declination at the even Göttingen hours, and horizontal force two minutes and a half after. In 1842 the time of observation of the vertical force was two minutes before, and of horizontal force two minutes after the even Göttingen hours,

the declination remaining the same as before. In the first three months of 1843 only one observation was made each day. The hour was 20 h. Göttingen time, the three instruments being observed as in 1840 and 1841. In April, 1843, a change was made in the time of observing the vertical force; it was taken at four minutes after the Göttingen hours; the times of the declination and horizontal force were the same as in 1842. No further change was made in these observations up to the time of closing the Observatory.

The observations on magnetic term days, previous to January, 1842, were made as follows: declination at intervals of five minutes, commencing at the even Göttingen hours, horizontal and vertical force at intervals of ten minutes, commencing respectively at two and half and at seven and a half minutes after the even hours. In 1842 and subsequently, the three instruments were observed at intervals of six minutes, respectively, at the even hours, at two and at four minutes after.

In 1842 a series of observations was commenced to determine more closely than had previously been done, the times of maxima and minima of the three instruments. The periods selected for these observations were obtained from the curves of the preceding eighteen months. These periods were for the maxima of the declination from 6h. 00m. to 7h. 54m., and from 18h. 00m. to 18h. 54m., for minima from 2h. 00m. to 3h. 54m., and from 13h. 00m. to 13h. 54m. For the maxima of the horizontal force from 11h. 32m. to 12h. 26m., and from 21h. 02m. to 22h. 56m., and for minima from 1h. 02m. to 2h. 56m., and from 15h. 32m. to 17h. 26m. For the maximum of the vertical force from 22h. 04m. to 23h. 58m., and for the minimum from 12h. 34m. to 14h. 28m. The periods selected for the vertical force are those which include the maximum and minimum in 1840. The period 22h. 04m. to 23h. 58m. was that of the minimum in 1840. The period 12h. 34m. to 14h. 28m. was that of the maximum. In 1842, when the observations for these phenomena were commenced, it was found that the period containing the maximum in 1840, indicated less force than that containing the minimum, and *vice versa*; and to this cause may be assigned the names given to the observations. The results of these observations, as shown upon plate *M*, do not give these phenomena.

The number of assistants at the Observatory was not sufficient to make observations regularly on occasions of unusual readings of the magnetometers, until 1843. In 1842 a few will be found collected together. In 1840 and 1841 descriptions of several will be found, which occurred on the magnetic term days. See pages 51, 57, 263 and 266. In 1843 the force at the Observatory was increased, and directions given to observe, on all occasions of unusual readings, at term day intervals. Where the circumstances appeared to make it advisable, the observations were made at each vibration of the magnets. When practicable observations were made at the same time with the subsidiary instruments in the College building, for changes of declination and horizontal force. The horizontal force instrument was a small bifilar, with a needle nine and three-quarter inches in length, and its time of vibration about ten seconds. Extremes of arcs of vibration were noted for the position of the magnet. The inclinometer in the College building was made by placing a cylinder of soft iron near a Gauss declinometer. The value of the scale of the subsidiary horizontal force, in terms of that of the Observatory was, from February to December, 1843, 2.6. The value of the scale of the inclinometer was not determined. After 1843 these observations

in the College building were discontinued for want of sufficient force to attend to them.

The times of the observations taken in connection with Lieutenant Lefroy, R. A., and the Toronto Observatory, were those requested by Lieutenant Lefroy for his magnetic tour in the North American possessions of Great Britain.

The time of observing the magnetic dip was once a week, at about 10h. A. M., Observatory time.

The ordinary meteorological observations were made bi-hourly in 1840 and 1841; after 1841, hourly. Previous to March, 1841, the time was just after the ordinary magnetic observations, or about six minutes after the even Göttingen hours, and twenty-five after the even Observatory hours. During the remainder of 1841 they were taken at four minutes before the Göttingen hours and fifteen minutes after the Observatory hours. After 1841 the even Observatory hours, or nineteen minutes before the even Göttingen hours, was the time of observation. The Daniell's hygrometer was observed until 1843 at 3h. and 9h. A. M., and at 3h. and 9h. P. M., Observatory time.

On the magnetic and meteorological term days the meteorological observations were made hourly at the even Göttingen hours, for the sake of convenience.

In order to compare the times at which the observations were made at the Observatory, with those recommended by the Committee of Physics and Meteorology, the following tables have been made out:

ORDINARY MAGNETIC.

Magnetometer.	Times recommended by Committee of Physics and Meteorology.		Göttingen times at which the observations were made at the Observatory.			
	June, 1840 to December, 1841.	After 1841.	June, 1840, to December, 1841.	1842.	Jan. to March, 1843.	April, 1843 to June, 1845.
	Hourly at the even Göttingen hours 0. 2. 4 &c.		Bi-Hourly.	Bi-Hourly.	Once a day at 20h. 00m.	Bi-Hourly till Oct. 1843. Hourly after Sept. 1843.
Vertical Force.....	2m. 30s. before hour.	4m. after hour.	2m. 30s. before hour.	2m. before hour.	2m. 30s. before hour.	4m. after hour.
Declination.....	At the hour.	At the hour.	At the hour.	At the hour.	At the hour.	At the hour.
Horizontal Force..	2m. 30s. after hour.	2m. after hour.	2m. 30s. after hour.	2m. after hour.	2m. 30s. after hour.	2m. after hour.

TRIPLES.

Magnetometer.	Times recommended by Committee of Physics and Meteorology.		Göttingen times at which the observations were made at the Observatory.		
	June, 1840 to December, 1841.	After 1841.	June, 1840 to December, 1841.	1842.	April, 1843 to June, 1845.
Vertical Force.....	13h. 50m.	–	13h. 50m.	13h. 52m.	–
Declination.....	52½	13h. 54m.	52½	54	13h. 54m.
Horizontal Force..	55	56	55	56	56
Vertical Force.....	57½	58	57½	58	58
Declination.....	14h. 00m.	14h. 00m.	14h. 00m.	14h. 00m.	14h. 00m.
Horizontal Force..	02½	02	02½	02	02
Vertical Force.....	05	04	05	04	04
Declination.....	07½	06	07½	06	06
Horizontal Force..	10	08	10	08	08
Vertical Force.....	–	10	–	–	10

TERM DAY MAGNETIC.

Magnetometer.	Times at Göttingen recommended by Committee of Physics and Meteorology and used at the Observatory.	
	June 1840 to Dec. 1841.	After 1841.
Declination.....	22h. 00m.	22h. 00m.
Horizontal Force..	02½	02
Declination.....	05	
Vertical Force....	07½	04
Declination.....	10	06
Horizontal Force..	12½	08
Declination.....	15	
Vertical Force....	17½	10
Declination.....	20	12

METEOROLOGICAL.

Class of Observ'ns.	Times recommended by Com. of Physics and Meteorology.	Times at which the observations were taken at the Observatory.				
		Bi-hourly.		Hourly.	Twice a day.	Hourly.
Ordinary Meteorological.	Bi-hourly at the even Göttingen hours 0. 2. 4. &c.	June '40 to Feb. '41 at 6m. aft. ev'n hours.	March to Dec. 1841 at 4m. aft. ev'n hours.	Jan. to Dec. 1842, at 19m. bef. ev'n hours*	Jan. to March 1843 at 12h. 34½m.† & at 20h. 10½m.‡	Apr. '43 to June '45 19m. bef. even hours*
Meteorological on Magnetic Term Days.	Hourly at the even Göttingen hours 0. 1. 2. 3, &c.	Hourly at the times of ordinary meteorological observations.				
Meteorological on Meteorological Term Days.	Hourly at the even Göttingen hours 0. 1. 2. 3. &c.	The observations on the meteorological term days commenced at Göttingen noon.				

*Even hours Observatory. †Sunrise at Observatory. ‡2½ P. M. at Observatory.

ORGANIZATION OF THE OBSERVATORY.

The first assistant was on duty from 8h. A. M. (Observatory time, civil reckoning) till 4 P. M. The remaining sixteen hours of the twenty-four were divided among four sets of sub-assistants. A great many means were used to stimulate the young observers. Rewards were given to each observer who registered all his observations punctually during a month, and fines were imposed whenever observations were missed or taken late. When the observations were made bi hourly, the sub-assistant on duty marked his attendance upon a register invented by Mr. Solon W. Hall, and attached to the side of the clock of the anemometer. This register was pricked through a hole in the side of the clock, and if it was not attended to at the time of the observation, it fell below its place, and thus recorded the absence of the observer. When the hourly observations commenced two assistants were placed on duty at the same time, at separate instruments, to be a mutual check. They reviewed the calculations made by the previous set of observers, and by each other. The first assistant, on duty, reviewed the work of the night, saw that no manifestly wrong observations had been made, that the means had been correctly computed, instruments left in adjustment, observations recorded distinctly, &c. He also observed for time, and inserted the times of the observations in the record books for the succeeding night. At the end of the month, the books were handed to a person whose business it was to make out the abstracts of them, and to compute the daily and hourly means of the ordinary observations. Here was another difficulty, as it was not possible to keep a competent person regularly for this purpose; the only one, in fact, previous to April, 1843, who was found to do this work satisfactorily was Professor Chauvenet, who took charge of it for a year from June, 1840. The abstracts were made out satisfactorily and with regularity at the Observatory, from April, 1843, to March, 1844, by Joseph S. Ruth, and from March, 1844, to June, 1845, by George Davidson. The duties, other than observing and computing, such as bringing water, making fires, cleaning lamps, keeping a supply of oil, &c., were divided among the sub-assistants.

CLASSIFICATION OF THE OBSERVATIONS.

From the commencement of the Observatory till the close of 1841, the observations were of the following classes: ordinary magnetic and triple, term day magnetic, ordinary meteorological, and meteorological on term days. In 1842 four classes were added to these, viz: extraordinary magnetic, (maxima and minima,) extraordinary magnetic, (on occasions of unusual readings of the magnetometers,) time of vibration of the magnetometer bars, and magnetic dip. The meteorological observations on term days are not found, as a class, after 1841, as the ordinary observations were then made hourly, instead of bi-hourly as before. In 1843 the observations of the time of vibration of the magnetometer bars were not continued, as the danger of disturbing their adjustments was found to be too great. The observations of the magnetic dip were discontinued in July, 1844. In this year a series of observations will be found intended to be taken in concert with Lieutenant Lefroy, R. A., and the Toronto Observatory. With the exception of this last class, the observations of 1844 and 1845 are similar in classification to those of 1843.

EXAMINATION OF PRINTED OBSERVATIONS.

Arrangement.—The observations of each year are placed together, and each class by itself, according to the date. The order of the classes is that in which they are spoken of in the "Classification." The four extra classes of 1842 follow the term day magnetic. That in connection with Lieutenant Lefroy precedes that of the magnetic dip in 1843. The last page of each month of the ordinary magnetic, contains the triples. In all the magnetic observations previous to 1843, with the exception of those on term day and those on occasions of unusual readings of the magnetometers, the three instruments are thus arranged, declination, vertical force, horizontal force. In the first quarter of 1843, the vertical force is first in order, subsequently, the arrangement is declination, horizontal force, vertical force. This last is the order in all the term day magnetic and those on occasions of unusual readings. Following the observations of 1845, are the abstracts of the magnetic and meteorological means. Those of each year are placed together in the following order: first, ordinary magnetic means; second, abstract of magnetic dip; third, ordinary meteorological means. The ordinary means are divided into daily; hourly; quarterly, half yearly, and yearly at the different hours; monthly; quarterly, half yearly, and yearly of the monthly means.

Reduction of Observations.—Ordinary Magnetic.—The times at the Observatory and at Göttingen are stated in the tables. The hours are counted from 0 to 24 for the sake of convenience. The time is civil reckoning. The daily, hourly, and monthly means of the readings are made out upon the pages, and these are reduced in a separate column to 32° Fah. by the coefficients calculated in another part of this preface. The coefficient of temperature for the horizontal force is stated there to have decreased three-tenths of a division for each degree Fahrenheit, yearly. It is considered in these reductions to have decreased one-tenth in four months. The temperatures were noted by thermometers made by Francis, of Philadelphia, placed within the boxes containing the magnetometers. The scales were divided to half degrees, and read by verniers to tenths. Previous to July 20th, 1840, the declinometer observed was a subsidiary one in the College building. The means of the readings are reduced to those of the Observatory by subtracting 144.7 divisions at 628.8, taking into consideration the difference of the values of the scales, that of one division of the subsidiary is equal to 20″.7, and that of one division of the instrument in the Observatory is equal to 27″.3. The Lloyd vertical force was first observed in the College building, and was removed to the Observatory on the 18th of July, 1840. The means of the readings in the College building are reduced to the Observatory only in the abstracts of the means at the close of the observations. The horizontal force magnetometer remained in the Observatory, and requires no correction for these changes. Notices of temporary corrections that have been applied to the readings of the three instruments from time to time, will be found throughout the work. The readings were several times permanently changed by accidents. On these occasions observations were usually made immediately for the value of the change, to reduce the readings to one series. In the abstracts of the means at the close of the observations, all these changes are taken into consideration, and the means there reduced to one series, from the commencement of the observations till their close. In the body of the work these corrections have not all been applied. Notices of them will, however, be found where they occur. The following is a statement of them and where

they have been applied. It was the intention, at first, to reduce the observations of each year to a series in the body of the work, and then reduce the years to one series in the abstracts of means. But some changes were discovered after the publication commenced, which partially defeated the plan. After June, 1841, however, only one correction is to be applied, which was caused on the 9th of August, 1843, by the suspension threads of the declinometer giving way. The instrument was examined for torsion, inclination of mirror, &c., on the 24th, but no change could be discovered. The effect of torsion for 180° was only 17.1 divisions. The readings were, however, eighteen divisions below those before the 9th. On the 10th of January, 1844, at 2h., the suspension fibres of the declinometer were broken by one of the observers A new suspension was adjusted at 17h. on the 12th. The readings returned nearly to those prior to August 9th, 1843. A mean of the two changes has been applied in the body of the work to the means of the previous observations in 1844, and the means of the observations previous to the change, in the last six months of 1843, have been reduced to the standard of the interval. These then require to be increased 18.7 divisions to be brought into the general series, which has been done in the abstracts of means. Previous to June, 1841, there were two changes in the declination. The first was on the 23d of November, 1840, when the bar fell below its proper plane. When readjusted, the readings were 19.5 divisions below the former ones. This correction is not applied in the body of the work, but is applied in the abstracts of means. The second was in January, 1841, when the new vertical force instrument was introduced. The readings of the declinometer were thereby increased 112.8 divisions. This correction is applied to the first six months of 1841, to reduce the means to those of 1840, after the 23d of November.

On the 4th of September, 1841, it was observed that the declinometer had changed very little for two or three days. It was examined at 14h., and a small spider, less in size than the head of a pin, was found between the rings below the stirrup. The observer passed his hand completely around the bar, but no attachment was discovered. The succeeding observations presented the same appearance.

On the 29th of November, 1841, at 20h. an oil can and lamp feeder, notwithstanding the positive rules of the Observatory prohibiting the bringing of iron, &c., near the magnetometers, were found in the computing room, on the side nearest the declinometer. The instrument read 553.5. After removing them the reading was 563.6.

There were three permanent changes of the readings of the horizontal force magnetometer, all during the first half year of 1841. The first was on the 6th of February at 0h. The instrument was examined on the 8th at 22h., and the wires found to be slightly disarranged. When readjusted, the instrument did not return to its former readings. No account could be had of any accident to it. The correction to reduce the previous readings to subsequent ones was +116 divisions, which has been applied to the month of February. The second was on February 22d at 6h., when the alidade of the instrument was moved. It was adjusted at 16h. The correction to the interval +25.1 has been used only in the abstracts of means. At 22h., the instrument was disturbed. The correction to reduce previous observations to new standard was +92.8, which has been applied also only in the abstracts of means. The third was on the 2d of June, when the wires were accidentally struck, and the instrument disarranged. As the readings were

of declination. The change of force, indicated by a change of reading in the Lloyd vertical force, has already been described.

In the general notes preceding the observations of each half year, will be found a description of the instruments, the values of their scales, the corrections used for temperature, &c.

In the ordinary magnetic and maxima and minima observations, commencing with the latter in 1842, such lost observations as have been supplied, will be found noted upon the pages where they occur. In the abstracts of means, *all* the ordinary magnetic observations omitted in observing, have been *supplied*, with the exception of the whole days which were lost on the following occasions. In the declination observations, January 1st to 12th, 1841, when the instruments were rearranged, and January 11th, 1844, when the declinometer was disturbed. In the horizontal force observations, January 1st to 12th, 1841, when the instruments were rearranged. In the vertical force observations, November 23d, 1840, when the instrument was disturbed; the month of January, 1841, when the reflecting vertical force was introduced, and May 22d to 31st, 1841, when it was readjusted.

In computing the means of the maxima and minima observations for the purpose of representing them in curves, where the greater portion of a set was not lost, all the omitted observations have been supplied. Where the greater portion of a set was lost, the remaining portion of that set has been left out in the means.

The rule for supplying used, where applicable, was to calculate the effect of the observation immediately before, and of the one immediately after the omitted ones upon the means at their respective times, and to interpolate for the effects upon the means at the times of the lost observations.

Meteorological.—The Observatory times, civil reckoning, will be found upon the pages, the hours being counted form 0 to 24 for convenience. The observations of the barometer are reduced to 32° Fahrenheit, and corrected for capillarity by the tables given in the report of the Committee of Physics and Meteorology of the Royal Society. The observations found in the column headed "Dew Point, Fah." in 1840 and 1841, were made with the Daniell's hygrometer D is the temperature of the dew point, and A that of the air. Previous to 21st of November, 1840, the temperature of the air is that given by the thermometer attached to the hygrometer. The heat of the observer's lamp affecting this thermometer, in all the *night observations* after this date, the temperature of the air recorded is that given by the Observatory standard thermometer. In 1842 these observations will be found at the bottom of the page, the observation of the standard thermometer giving the temperature of the air. In 1843 the new dew point instrument was introduced. The elastic force of aqueous vapor, corresponding to the temperature of the wet bulb thermometer, is taken from the table found in the Edinburg Encyclopædia, vol. xi. page 10. The formulæ used to calculate the quantities found in the columns headed "Force of Vapor, ins.," are from the experiments of Dr. Apjohn, recorded in the Transactions of the Royal Irish Academy, vol xvii. pp. 275 *et seq.*, and in the Proceedings, 1840. The formula used when the temperature of the wet bulb was above 32° was $f''=.0114\,(t-t')\frac{p-f'}{30}$, when the temperature of the wet bulb was below 32° the formula used was $f''=.01017\,(t-t')\frac{p-f'}{30}$, where f'' represents the force of vapor at the temperature of the dew point, f' that at the temperature of the wet bulb, t and t' the temperatures of the

near the end of a scale that had been attached to the original one, it was thought best to rearrange the instrument so as to bring it to about 500 the middle of the scale, when the other instruments were out of the Observatory. The correction to reduce the position of June 1st, to that from June 1st to 5th, is —213, and from that to the new position —687. The whole correction to the old readings was about —900 divisions. This has been applied in the month of June, reducing the means to both the old and new position of the magnetometer.

The permanent changes of the readings indicating the vertical force were five in number. The first was, when the Lloyd vertical force instrument was brought into the Observatory from the College building. By comparing the mean of the observations for ten days before the removal, with that for ten days after, it was found that the reading 354. in the College building corresponded to the reading 99.4 in the Observatory. Also an increase of one division in the College building corresponds to a decrease of one division in the Observatory, and to decrease of force. This correction has not been applied in the body of the work, but like the others, it has been used in the abstracts of means. The second was on the the 29th of October, 1840, at 1h. 57m., when the instrument was disturbed. The correction to the previous readings of +120.3 has been used only in the abstracts of means. The third was on the 23d of November, caused by the raising of the bar of the declinometer. The correction —305.6 divisions to previous readings, has been applied only in the abstracts before spoken of. The fourth was on the occasion of the new vertical force being brought into the Observatory, in January, 1841. By a comparison made February 9th, 1841, it was found that the reading 87.4 of the old instrument in the College building, or its equivalent 366 in the Observatory, corresponded to 535.1 of the new instrument. Also an increase of two divisions of the old instrument in the Observatory, corresponded to a decrease of one division in the new. This correction has been applied only in the abstracts of means. The fifth was on the 24th of May, when the balance of the instrument, but not the sensibility, was altered. This was rendered necessary, by the bar losing its magnetism very rapidly, when first put up. The correction +529 to reduce the bar to the old position, has been applied in the month of June.

The full series of observations were discontinued at the end of 1842. One observation was, however, made each day on the three magnetometers, at 20h. 00m. until April, 1843, when the full series was resumed.

On the 15th of April, the adjustments of the instruments were examined. The horizontal and vertical force instruments were found to be in adjustment. The declinometer was out of level and position. The correction to reduce the reading to the true reading, was +1.66.

The *term day*, *disturbance* and *triple* observations have not been corrected for temperature, or for the various changes just described. The *maxima* and *minima* have been corrected for temperature. During these observations only one correction is to be applied for changes in the instruments. This is in the declinometer, from August 9th, 1843, till January 10th, 1844, which has already been described. This correction has been applied to the means of these observations in the month of January, 1844. In the curves representing these observations, it has been applied to the whole interval.

The words, *as before*, found occasionally in 1840, signifies that there has been no change in the instruments since the preceding month.

Increase of reading in the horizontal and reflecting vertical force instruments, corresponds to decrease of force, and in the declinometer, to decrease

dry and wet bulb thermometers, and p the height of the barometer. The thermometers registering the temperature of the dew point were compared with the standard thermometer, and where there was a difference the reading has been corrected before entering it upon the abstracts. From June 1st, 1841, till the beginning of 1843, the direction of the wind was registered in degrees reckoning from the south as zero, round through the west. Points of the compass were used to register the direction of the wind during the other periods of the Observatory. The means however are all made out in points of the compass. The force of wind is in pounds to the square foot. The force of light winds was imperfect. The snow guage, constructed as described in another part of this preface, was defective in its register. The total amount of snow fallen will be found noted upon the pages, from time to time, where it could be ascertained.

The extent of sky covered was recorded in eights until June, 1841, when it was changed to tenths. Howard's nomenclature of clouds is used. The direction from which the clouds were moving will be found noted. It was intended that the direction of the motion of their strata should be noted, but the time which this required interfered with the other observations, and in consequence, it will be found only occasionally. No. 1 refers to the lowest stratum, and No. 3 to the highest. Some remarks upon the tornado of the 5th of August, 1843, are made upon page 1158. The following abbreviations are used: Cu. for cumulus; Ci. for cirrus; S. for stratus; N. for nimbus; Ci–s, for cirro–stratus; Ci–cu, for cirro–cumulus; Cu–s, for cumulo–stratus; Fl. for rapidly moving clouds; Cl. for clear; Cly. for cloudy; Hor. for horizon; Exc. for except.

Abstracts of Means.—These contain the ordinary magnetic and meteorological observations, and those of the magnetic dip. The means of the ordinary observations consist of the daily; the hourly; the quarterly, half-yearly, and yearly at the different hours; the monthly and their quarterly, half-yearly, and yearly means. The mean of each set of observations made for the magnetic dip, will here be found tabulated. The observations omitted in observing have been supplied by the rule already described. The magnetic means are here reduced to one series, from the commencement of the observations till their close. A list of the corrections used in the reductions, a description of the instruments and of their results, the values of the scales of the magnetometers, the coefficients for the corrections for temperature, a list of the times in which observations were made on occasions of unusual readings, &c. will be found in the general notes preceding the magnetic and meteorological means in each year.

A. D. BACHE.

NOTE.—To the list of principal subscribers, on page III, the names of T. Dunlap, N. Dunn, J. D. Brown, J. P. Wetheril, H. Kuhn, G. M. Justice, and A. D. Bache should be added.

ERRATA IN PRINTED PAGES.

☞ Where both the Göttingen and Observatory times are stated on the pages, the former is referred to in the following list.

Page	2.	14th line from top	for .000,040 read	.000,036.5
	6.	In note at bottom	for .000,040 read	.000,036.5
	8.	Heading, Observatory time, Declination	for 2.12 read	8.12
	9.	Monthly mean	for 498.05 read	496.4
	17.	Year	for 1830 read	1840
	19.	Heading	for Augsut read	August
	20.	6th, mean	for 809.9 read	812.4
		11th, mean	for 820.9 read	821.2
		6th, reduced mean	for 662.1 read	664.6
		11th, reduced mean	for 685.5 read	684.2
		18th, reduced mean	for 682.7 read	677.7
		22d, reduced mean	for 758.6 read	740.0
	21.	15th at 14 h. 02½ m	for 63.9 read	73.9
		11th, mean	for 74.3 read	74.8
		22d, mean	for 74.2 read	80.0
	30.	22d, at 13 h. 57½ m	for –51.1 read	51.1
		Mean at 13 h. 57½ m	for 285.8 read	289.6
		Reduced mean at 13 h. 57½ m	for 366.6 read	370.4
		22d, mean	for 16.6 read	25.9
		Monthly mean	for 233.33 read	233.6
		22d, reduced mean	for 107.4 read	116.7
		Reduced monthly mean	for 319.88 read	320.2
		Insert "On the 29th at 1 h. 57 m. the vertical force instrument was disturbed. A correction of –120.3 divisions should be applied to all the succeeding observations of the year."		
	32.	Reduced mean at 0 h. 02½ m	for 751.8 read	753.0
		Reduced mean at 2 h. 02½ m	for 753.8 read	755.0
		16th, reduced mean	for 730.4 read	735.9
		Reduced monthly mean	for 754.82 read	755.2
	34.	22d at 13 h. 57½ m	for –51.1 read	51.1
	35.	Insert "On the 23d the bar of the declinometer had fallen below its proper plane. The difference between the old and new readings was found to be 19.5 divisions, which should be subtracted from the preceding observations of this year."		
	36.	Insert "On the 23d the vertical force needle was altered by the bar of the declinometer being raised. A correction of +305.6 divisions should be applied to the succeeding observations of this year."		
	38.	Reduced mean at 18 h. 02½ m	for 787.2 read	797.2
	51.	Observatory times, for 22 m., 32 m., &c. read 27 m., 37 m., &c.		
	53.	Note at bottom of page	for 0.000.140 read	0.000.036.5
	56.	Note at bottom of page	for 0.000.040 read	0.000.036.5
	74.	8th line from top	for —— read	112.3
		3d line from bottom erase first "Ci-cu for cirro-cumulus."		
	77.	5th at 2 h. 25 m., clouds	for Cu-ci read	Cu, Ci.
	82.	17th at 6 h. 25 m. clouds	for Cu-ci read	Cu, Ci.
	131.	9th at 4 h. 25 m. dry thermometer	for 65.1 read	55.1
	150.	Barometer, ob's'd. h'g't, millemitres on the 20th, 0 h. 25 m.	for *758.65 read	758.65
	170.	Third line, insert after magnetic "and meteorological," and cancel last line.		
	178 to 184.	For Göttingen time, read Observatory time.		

Page 186.	14th line from top	for	.000.140 read	.000.036.5
	21st line from top	for	+520 read	+529
	2d line from bottom	for	.000,040 read	000,036.5
	Bottom line	for	.000.042 read	.000,035
187.	Mean at 6 h. 00	for	577.8 read	578.4
	Reduced mean 6 h. 00	for	465. read	465.6

191. For Reduced to 32° Fahr. read Reduced means.

192. Insert "Increase of numbers corresponds to decrease of force."

194. Insert "On the 6th at 0 h. 02½ m. a great change in position of horizontal force noted. Instrument examined on February 8th at 22 h. 49½ m., wires found to have been slightly deranged. On rearranging, did not return to former readings. No account could be had of any accident to instrument. A correction of +116 divisions has been applied to previous observations on this page, in computing the means."

Insert also "At 6 h. 02½ m. on the 22d, alidade of instrument moved. Adjusted after the observation at 16 h. 02½ m. A correction of +25.1 should be applied to the observations during the interval. At 22 h. 02½ m. instrument disturbed. A correction of +92.8 divisions should be applied to the preceding observations of this year."

195.	25th, mean	for	30.4 read	30.1
212.	No. of page	for	112 read	212
215.	26th, mean	for	575.6 read	567.3
	Monthly mean	for	571.5 read	571.2
	26th, reduced mean	for	462.8 read	454.5
	Reduced monthly mean	for	458.7 read	458.4

224. For corrected means read reduced means.

235. Insert "On the 4th, observing that the instrument had changed very little during the last two days, it was examined at 14 h. 00 m. A small spider, less than the head of a pin, was found between the rings below the stirrup. The observer passed his hand completely around the needle, but no attachment could be discovered. The succeeding observations presented the same appearance as the preceding."

247. Insert "On the 29th at 20 h. 00 m., an oil can and lamp feeder were found in an adjoining room on the side nearest the declinometer. The instrument then read 553.5. After removing them to opposite side of room the reading was 563.6."

29th, at 10 h. 00 m	for	588.2 read	558.2
Mean, at 10 h. 00 m.	for	559.4 read	558.2
19th, at 12 h. 00 m	for	588.6 read	538.6
Mean, at 12 h. 00 m	for	557.7 read	555.8
4th, at 4 h. 00 m	for	265. read	565.0
19th, mean	for	563.9 read	559.7
29th, mean	for	563.9 read	561.4
Monthly mean	for	556.3 read	556.1
323 and 324. Under column of hour	for	m. s. read	h. m.
356 and 357. Under column of hour	for	m. s. read	h. m.

380. 1st line from the top, for "a new spring was," read "new springs having been."

1st and 2d lines from the top, for "which decreased," read "a satisfactory determination was made of."

2d line from the top, insert "The observations recorded cannot, however, be depended upon until July, 1841."

382 to 407. Under column of hour	for	00 m. read	15 m.
383 and 387. Under column of hour	for	m. s. read	h. m.

425. At 6 h. 15 m. Obs'd. H. Mill. Barometer, insert 766.30

489. 18th, at 6 h. 00 m. insert 561.

6th, at 2 h. 00 m	for	577.9 read	567.9
11th, at 2 h. 00 m	for	576. read	577.0
18th, at 2 h. 00 m	for	583.8 read	597.9
6th, mean	for	559.8 read	559.0
18th, mean	for	566.6 read	567.8

490. 21st, at 13 h. 58 m. insert 622.3

Mean, at 13 h. 58 m	for	664. read	662.4
Reduced mean at 13 h. 58 m	for	195.8 read	197.0
21st, reduced mean	for	171.7 read	178.9

491. 21st, at 13 h. 58 m. insert 61.2

Mean at 13 h. 58 m	for	66.7 read	66.5
21st, mean	for	65.2 read	64.7
498. 16th, at 2 h. 02 m	for	552.6 read	652.6
510. 9th, reduced mean	for	506.6 read	507.1
15th, reduced mean	for	531.1 read	551.1

Page 514.	Reduced mean, at 13 h. 58 m.	for 179.2 read	177.8
	28th, reduced mean	for 188.1 read	182.7
515.	Mean at 13 h. 58 m.	for 69.1 read	69.2
	28th, at 23 h. 58 m. insert 78.1		
	Mean at 23 h. 58 m.	for 71.2 read	71.4
	28th, mean	for 73.3 read	73.7
520.	Mean at 23 h. 58 m.	for 748.3 read	748.1
522.	21st, at 14 h. 02 m.	for 610.1 read	670.1
523.	30th, at 12 h. 02 m.	for 78.6 read	73.5
	Mean at 12 h. 02 m.	for 68.6 read	68.4
534.	Reduced mean at 23 h. 58 m.	for 174.4 read	184.4
536.	31st, at 12 h. 02 m. insert 705.0		
	Reduced mean at 12 h. 02 m.	for 601.6 read	602.2
	31st, mean	for 724.3 read	722.6
	31st, reduced mean	for 616.1 read	615.5
537.	31st at 12 h. 02 m. insert 68.7		
	Mean at 12 h. 02 m.	for 72.1 read	71.9
	31st, mean	for 73.6 read	73.2
539.	Mean at 18 h. 00 m.	for 558.2 read	557.7
546.	Reduced mean at 13 h. 58 m.	for 220.2 read	217.7
547.	Mean at 13 h. 58 m.	for 72.8 read	73.0
548.	5th, at 12 h. 02 m.	for 691. read	696.0
	Mean at 12 h. 02 m.	for 752.8 read	752.0
	Reduced mean at 12 h. 02 m.	for 666.3 read	665.5
	4th, at 22 h. 02 m.	for 725. read	727.5
	5th, mean	for 718.7 read	719.1
	5th, reduced mean	for 631.5 read	631.9
557.	Mean at 2 h. 00 m.	for 562.5 read	563.5
558.	Mean at 13 h. 58 m.	for 673.8 read	674.1
	Reduced mean at 13 h. 58 m.	for 268.8 read	267.8
	Reduced mean at 15 h. 58 m.	for 262.4 read	265.1
	Reduced mean at 23 h. 58 m.	for 259.3 read	258.3
	10th, reduced mean	for 255.3 read	252.6
559.	10th, at 13 h. 58 m. insert 66.6		
	Mean at 13 h. 58 m.	for 62. read	62.1
	10th, mean	for 64.3 read	64.5
560.	Mean at 16 h. 02 m.	for 787.7 read	784.0
	Reduced mean at 16 h. 02 m.	for 726. read	721.9
561.	9th, at 16 h. 02 m. insert 61.7		
	Mean at 16 h. 02 m.	for 56.7 read	56.9
	9th, mean	for 61. read	61.1
605.	Mean at 6 h. 00 m.	for 563.7 read	563.9
606.	12th, at 7 h. 18 m.	for 472.8 read	572.8
607.	Mean at 18 h. 00 m.	for 556.5 read	555.8
608.	3d, at 2 h. 00 m. insert 555.4		
	4th, at 2 h. 00 m. insert 563.4		
	5th, at 2 h. 00 m.	for 561.9 read	565.4
	15th, at 2 h. 00 m. insert 572.2		
	22d, at 2 h. 00 m. insert 574.2		
	25th, at 2 h. 00 m. insert 569.8		
	Mean at 2 h. 00 m.	for 568.5 read	567.3
614.	13th, thermometer at 14 h. 04 m.	for 68.7 read	67.8
	The thermometers at 14 h. 04 m. belong to 13 h. 58 m. where the corresponding reductions are applied.		
619.	Reduced mean at 2 h. 02 m.	for 482.5 read	482.1
	4th, thermometer at 2 h. 02 m.	for 65. read	65.6
	Mean of thermometer at 2 h. 02 m.	for 62.4 read	62.6
629.	28th, thermometer at 23 h. 58 m.	for 72.8 read	73.8
630.	Reduced mean at 13 h. 10 m.	for 254. read	255.1
	Reduced mean at 13 h. 16 m.	for 252.8 read	255.0
	Reduced mean at 13 h. 22 m.	for 251.3 read	254.6
	Reduced mean at 13 h. 28 m.	for 250. read	254.4
631.	Reduced mean at 13 h. 34 m.	for 248.2 read	253.6
	Mean of thermometer at 13 h. 34 m.	for 65. read	64.6
	Reduced mean at 13 h. 40 m.	for 249.1 read	253.6
	Reduced mean at 13 h. 46 m.	for 249.7 read	253.3

Page 631.	Reduced mean at 13 h. 52 m.	for	250.4 read	253.1
	Reduced mean at 13 h. 58 m.	for	250.4 read	252.5
	Reduced mean at 14 h. 04 m.	for	249.6 read	250.4
	4th, thermometer at 14 h. 04 m.	for	77.6 read	77.3
	Mean of thermometer at 14 h. 04 m.	for	64.7 read	64.6
	Reduced mean at 14 h. 10 m.	for	249. read	249.5
	The thermometers at 14 h. 04 m. belong to 13 h. 58 m., where the corresponding reductions are applied.			
648.	Reduced mean at 13 h. 46 m.	for	205.2 read	204.9
	Reduced mean at 13 h. 52 m.	for	204.8 read	204.3
	Reduced mean at 13 h. 58 m.	for	204.8 read	204.2
	Reduced mean at 14 h. 04 m.	for	204.7 read	203.9
	Reduced mean at 14 h. 10 m.	for	204.3 read	203.8
	Reduced mean at 14 h 28 m.	for	203.4 read	203.8
	The thermometers at 14 h. 04 m. belong to 13 h. 58 m., where the corresponding reductions are applied			
665.	Reduced mean at 13 h. 46 m.	for	193.5 read	193.1
	Reduced mean at 13 h. 52 m.	for	193. read	192.5
	Reduced mean at 13 h. 58 m.	for	192.5 read	191.9
	Reduced mean at 14 h. 16 m.	for	191.2 read	191.6
	Reduced mean at 14 h. 22 m.	for	191. read	191.6
	Reduced mean at 14 h. 28 m.	for	190.5 read	190.9
	The thermometers at 14 h. 04 m. belong to 13 h. 58 m., where the corresponding reductions are applied.			
670.	28th, at 2 h. 02 m.	for	562.5 read	563.5
672.	Reduced mean at 16 h. 32 m.	for	521.7 read	531.7
680.	Reduced mean at 23 h. 58 m.	for	180. read	180.5
682.	Reduced mean at 13 h. 46 m.	for	178.3 read	177.9
	Reduced mean at 13 h. 52 m.	for	178.8 read	178.2
	Reduced mean at 13 h. 58 m.	for	178.7 read	177.8
	Reduced mean at 14 h. 04 m.	for	178.4 read	178.0
	The thermometers at 14 h. 04 m. belong to 13 h. 58 m., where the corresponding reductions are applied.			
697.	Reduced mean at 23 h. 58 m.	for	168.7 read	169.0
699.	The thermometers at 14 h. 04 m. belong to 13 h. 58 m., where the corresponding reductions are applied.			
715 and 716.	A correction of +10.0 should be applied to reduced means.			
718.	The thermometer at 14 h. 04 m. belong to 13 h. 58 m., where the corresponding reductions are applied.			
719.	A correction of +6.0 should be applied to the thermometers on the 1st.			
	A correction of —0.7 should be applied to reduced means.			
	A correction of +0.3 should be applied to means of thermometer.			
721.	30th, at 22 h. 02 m.	for	736.5 read	736.8
732 and 733.	A correction of +10.0 should be applied to reduced means.			
733.	Reduced mean at 23 h. 58 m.	for	174.9 read	174.4
735.	The thermometers at 14 h. 04 m. belong to 13 h. 58 m., where the corresponding reductions are applied.			
738.	11th, at 22 h. 02 m.	for	717.7 read	717.3
744.	Mean at 7 h. 06 m.	for	569.6 read	569.2
749.	Mean of thermometer at 22 h. 34 m.	for	76.8 read	76.5
752.	The thermometers at 14h. 04 m. belong to 13 h. 58 m., where the corresponding reductions are applied.			
755.	Mean at 22 h. 50 m.	for	744.1 read	742.4
	Reduced mean at 22 h. 50 m.	for	636.9 read	635.0
767.	Reduced mean at 23 h. 58 m.	for	236.3 read	236.8
769.	Reduced mean at 13 h. 46 m.	for	221.5 read	220.0
	Reduced mean at 13 h. 52 m.	for	220.5 read	219.1
	Reduced mean at 13 h. 58 m.	for	219.8 read	217.7
	Reduced mean at 14 h. 04 m.	for	219. read	216.8
	Reduced mean at 14 h. 10 m.	for	217.7 read	216.0
	Reduced mean at 14 h. 16 m.	for	216.5 read	215.3
	Reduced mean at 14 h. 22 m.	for	215. read	214.4
	The thermometers at 14 h. 04 m. belong to 13 h. 58m., where the corresponding reductions are applied.			
772.	Reduced mean at 22 h. 08 m.	for	681.8 read	680.8
776.	Reduced mean at 17 h. 26 m.	for	683.4 read	686.4

Page 784.	Reduced mean at 23 h. 52 m.	for	250.7 read	250.4
	Reduced mean at 23 h. 58 m.	for	250.5 read	250.0
785.	A correction of +.7 should be applied to the reduced means.			
786.	Reduced mean at 13 h. 34 m.	for	260.6 read	261.3
	Reduced mean at 13 h. 52 m.	for	255.5 read	254.4
	Reduced mean at 13 h. 58 m.	for	254.2 read	252.6
	Reduced mean at 14 h. 04 m.	for	253. read	252.5
	The thermometers at 14 h. 04 m., belong to 13 h. 58m., where the corresponding reductions are applied.			
792.	Reduced mean at 16 h. 08 m.	for	714. read	715.3
	Reduced mean at 16 h. 14 m.	for	714.8 read	716.1
	Reduced mean at 16 h. 20 m.	for	714.5 read	715.8
	Reduced mean at 16 h. 26 m.	for	714.4 read	715.7
802.	Reduced mean at 13 h. 04 m.	for	266.1 read	266.8
803.	Reduced mean at 13 h. 58 m.	for	267.5 read	267.8
	The thermometers at 14 h. 04 m. belong to 13 h. 58m., where the corresponding reductions are applied.			
804.	Reduced mean at 11 h. 32 m.	for	710.1 read	706.7
	A correction of —6.0 should be applied to thermometers on 13th.			
	A correction of —4.4 should be applied to reduced means.			
	A correction of —0.2 should be applied to means of thermometers.			
824.	4th line from top	for	northeast read southeast.	
876.	At 11 hours, corrected height of bar. No. 1	for	30.528 read	30.258
909.	At 22 hours, corrected height of bar. No. 1	for	30.434 read	30.334
1166.	7th line from top, omit "times of observation."			
1168.	25th, at 20 h. 00 m.	for	557. read	554.3
1171.	17th, at 12 h. 02 m.	for	873.8 read	875.8
1173.	Reduced mean at 20 h. 04 m.	for	210.1 read	211.5
	Mean at 22 h. 04 m.	for	757.7 read	762.9
	Reduced mean at 22 h. 04 m.	for	216.4 read	221.6
	12th, mean	for	833.1 read	833.8
	14th, mean	for	770.5 read	777.0
	24th, mean	for	753.1 read	753.4
	29th, mean	for	701.6 read	704.9
	Monthly mean	for	762. read	762.4
	12th, reduced mean	for	245.9 read	246.6
	14th, reduced mean	for	227.8 read	234.3
	24th, reduced mean	for	203.7 read	204.0
	29th, reduced mean	for	206.2 read	209.5
	Reduced monthly mean	for	231.4 read	232.4
1176.	17th, at 2 h. 00 m.	for	568. read	569.7
	18th, at 2 h. 00 m.	for	569.7 read	564.7
	Mean at 2 h. 00 m.	for	566.5 read	566.7
	18th, mean	for	565.1 read	564.7
1177.	In note at bottom of page for 2 h. 19½ m. read 2 h. 21½ m.			
1190.	4th line from top, insert, "The instrument, in 1844, returned to its former reading. A mean of the two changes 18.7 has been used to correct the previous observations of this half-year.'			
1191.	Subtract .7 from the means called "New Position."			
1194.	3d, at 2. h. 04 m.	for	786.3 read	787.3
1195.	26th, at 8 h. 04 m.	for	78.8 read	78.1
1197.	10th, at 18 h. 00 m.	for	550.1 read	530.1
	Mean at 18 h. 00 m.	for	532.3 read	532.1
	From hourly means subtract .2.			
	From daily means, previous to 10th subtract .7.			
	Monthly mean	for	542.8 read	542.6
	In note at bottom of page	for	April read	July
1208.	16th, at 13 h. 54 m.	for	445.6 read	545.6
1212.	Heading at 22 h. 02 m. for 22 h. 02½ m. read 22 h. 02 m.			
1265.	At 3 h. 36 m.	for	663.8 read	563.8
1271.	At 16 h. 48 m.	for	340.4 read	540.4
1277.	At 0 h. 42 m.	for	640.9 read	540.9
1294.	Mean at 1 h. 50 m.	for	878.7 read	874.7
	Reduced mean at 1 h. 50 m.	for	795.1 read	791.1
1295.	Mean at 2. h. 14 m.	for	876.7 read	872.7
	Reduced mean at 2 h. 14 m.	for	793. read	789.0

Page 1310.	Mean at 22 h. 44 m. for	869.6 read	871.3
	Reduced mean at 22 h. 44 m. for	779.5 read	781.2
1323.	30th, at 3 h. 36 m. for	563.6 read	573.6
	10th, at 3 h. 42 m. insert 566.7		
	Mean at 3 h. 42 m. for	565. read	565.5
	10th, at 3 h. 48 m. for	545.8 read	565.8
	Mean at 3 h. 48 m. for	564.6 read	565.4
	10th, at 3 h. 54 m. for	573.4 read	570.3
1333.	30th, at 23 h. 04 m. for	866.1 read	869.1
1349.	Mean at 2 h. 26 m. for	955.3 read	955.7
	Reduced mean at 2 h. 26 m. for	846.5 read	846.1
1361.	Heading for mimimum read minimum.		
1369.	Mean at 22 h. 58 m. for	837.7 read	828.7
	Reduced mean at 22 h. 58 m. for	176.2 read	177.2
1458.	2d, at 23 h. 14 m.. thermometer for	79.9 read	72.9
1484.	12th line from top for	11 read	12
	14th line from top for	12 read	13
	22d line from top for	15 read	16
	25th and 26th line from top for	16 read	17
	27th and 28th line from top for	17 read	18
	30th line from top for	18 read	19
1487.	At 23 h. 16 m. for	353.2 read	853.2
	At 1 h. 22 m. for	675. read	875.0
1488.	At 2 h. 40 m. for	561.1 read	861.1
1500.	At 8 h. 22 m. for	624.3 read	642.3
1534.	Head of the page for June 26th read June 20th.		
1537.	Magnetic Intensity ; erase " Intensity by 24 observations, 2.45.35."		
1538.	July 20th ; erase " Intensity by 24 observations, 20.00.10."		
1540.	Magnetic Dip, Needle No. 3 (Lloyd) with A end N for 71°.51' read 71°.51'.17.		
1635.	At 2 hours, corrected height of barometer for	30.102 read	30.002
1646.	At 11 hours, corrected height of barometer for	30.399 read	30.299
1663.	At 8 hours, corrected height of barometer for	30.127 read	30.027
1712.	At 4 hours, hygrometer for	88. read	98.0
1739.	At 18 hours, clouds for	Ci–cu read	Ci, Cu,
1743.	At 21 hours, force of vapor for	612 read	512
	At 21 hours, calculated dew point for	64.7 read	59.3
1768.	At 3 hours, corrected height of barometer for	80.156 read	30.156
1770.	At 4 hours, observed height of barometer for	761.00 read	760.00
1818.	3d line from top for	27".2 read	27".3
	4th line from top for	.000,040 read	.000,036.5
1819.	25th, at 11 hours for	557.5 read	560.4
	From hourly means subtract .3		
	In note at bottom of page for	+19.5 read	+18.7
	In note at bottom of page for	13th read	12th
1820.	From hourly means, subtract .3		
	From daily means, previous to 11th, subtract .8.		
	Monthly mean for	558.3 read	558.0
1826.	Reduced mean at 23 h. 04 m. for	294.6 read	295.7
1840.	29th, at 14 h. 06 m. for	561.4 read	561.9
1841.	30th, at 7 h. 00 m. for	591.6 read	592.1
1844.	6th, at 19 h. 02 m. for	1078.7 read	1068.7
	Mean at 19 h. 02 m. for	1062.9 read	1062.5
	Reduced mean at 19 h. 02 m. for	998. read	997.6
	6th, mean for	1059.4 read	1059.0
	6th, reduced mean for	995.8 read	995.4
1847.	Reduced mean at 9 h. 04 m. for	294.6 read	297.3
1848.	30th, reduced mean for	311.1 read	308.4
1849.	30th, at 9 h. 04 m. for	69.7 read	64.7
	Mean at 9 h. 04 m. for	67.2 read	67.0
	6th, at 17 h. 04 m. for	70.3 read	70.9
1850.	30th, mean for	64.2 read	64.0
1855.	For April 17 read April *17.		
1870.	Reduced mean at 22 h. 04 m. for	269.6 read	270.9
1875.	Mean at 3 h. 00 m. for	546.9 read	548.6
1876.	Mean at 17 h. 02 m. for	1096.5 read	1096.9
	Reduced mean at 17 h. 02 m. for	1016.7 read	1017.1

Page 1877.	Reduced mean at 21 h. 02 m.	for 998.8 read	999.1
1890.	Reduced mean at 21 h. 02 m.	for 1021.3 read	1023.1
	Reduced mean at 1 h. 02 m.	for 1030.3 read	1029.3
1899.	Mean at 2 h. 00 m.	for 549.2 read	548.8
1901.	Reduced mean at 21 h. 02 m.	for 1046.6 read	1045.6
1912.	Mean at 23 h. 02 m.	for 1122.8 read	1123.2
	Reduced mean at 23 h. 02 m.	for 1040.7 read	1041.1
	6th, at 1 h. 02 m.	for 1113.8 read	1138.0
1915.	Reduced mean at 14 h. 04 m.	for 337.5 read	332.2
1917.	19th, at 14 h. 04 m.	for 71.5 read	71.8
1922.	30th, at 16 h. 02 m.	for 1121.9 read	1131.9
1923.	30th, mean	for 1116. read	1114.7
	30th, reduced mean	for 1163.9 read	1162.6
1926.	Reduced mean at 13 h. 04 m.	for 313.8 read	313.6
	Reduced mean at 14 h. 04 m.	for 305.6 read	305.3
1932.	9th, at 2 h. 00 m.	for 556. read	546.0
1933.	Reduced mean at 17 h. 02 m.	for 1089.7 read	1089.3
1949.	Reduced mean at 23 h. 04 m.	for 310.7 read	309.7
1952.	23d, at 14 h. 10 m.	for 791.9 read	789.8
1956.	At 5 h. 38 m.	for 1021.7 read	1021.5
1962.	At 8 h. 26 m.	for 1747.2 read	1047.2
1964.	At 15 h 54 m.	for 541.9 read	541.0
1995–2000.	Subtract .3 from means.		
1995.	In note at bottom of page	for +19.5 read	+18.7
2030.	30th, at 7 h. 00 m.	for 591.6 read	592.1
2045.	6th, at 14 h. 28 m. thermometer	for 69.6 read	70.1
2047.	27th, at 7 h. 00 m.	for 539.8 read	539.2
2051.	17th, at 13 h. 36 m.	for 534.1 read	524.1
	Mean at 13 h. 36 m.	for 562. read	561.6
2065.	Mean at 18 h. 06 m.	for 537.2 read	537.8
2096.	22d, at 14 h. 04 m.	for 825.7 read	825.0
2116.	24th, at 6 h. 12 m.	for 555.2 read	553.2
2122.	A correction of +1.0 should be applied to reduced means at 12 h. 14 m. and 12 h. 20 m.		
2137.	14th, at 3 h. 30 m.	for 558.3 read	559.3
2157.	Mean of thermometer at 21 h. 02 m.	for 71. read	71.9
2171.	Mean at 3 h. 24 m.	for 551.7 read	549.4
2182.	22d, at 13 h. 04 m.	for 836.1 read	836.4
2194.	Reduced mean at 2 h. 44 m.	for 1244.5 read	1144.5
2209.	At 16 h. 54 m.	for 562.2 read	552.2
2219.	At 4 h. 04 m. thermometer	for 60.3 read	57.2
2221.	For March 30th read March 29th.		
2224.	At 23 h. 42 m. 30 s.	for 1199.4 read	1099.4
	At 1 h. 02 m.	for †1126.4 read	1126.4
2227.	At 14 h. 58 m.	for 505.2 read	805.2
2269.	At 21 h. 28 m.	for 778.2 read	768.2
2275.	At 7 h. 10 m.	for 899.3 read	799.3
2277.	For December read July.		
2285.	April 2d, A end N, 8th observation of N. end needle	for 72.20 read	72.28
	April 2d, A end N, 3d mean	for 71.03 read	72.03
2287.	April 23d, dip with A end N	for 71°.57′.41 read	71°.55′.75
	April 23d, dip by 24 observations	for 71°.53′.39 read	71°.52′.56
	April 30th, dip with B end N	for 71°.56′.54 read	71°.51′.54
	April 30th, dip by 24 observations	for 71°.58′.56 read	71°.56′.06
2288.	May 7th, dip with A end N	for 71°.57′.08 read	71°.57′.17
	May 7th, dip by 24 observations	for 71°.55′.81 read	71°.55′.85
	May 14th, dip with B end S	for 71°.59′.90 read	71°.59′.00
2613.	Head of page, for Declinatoin read Declination.		
2619.	Mean at 14 h. 04 m.	for 714. read	715.1
	Reduced mean at 14 h. 04 m.	for 311.7 read	312.8
2620.	Reduced mean at 23 h. 04 m.	for 312.6 read	311.2
2630.	Mean at 14 h. 04 m.	for 633.5 read	634.4
	Reduced mean at 14 h. 04 m.	for 327.1 read	328.0
2631.	22d, at 20 h. 04 m.	for 764.9 read	784.9
	Mean at 20 h. 04. m.	for 658.6 read	659.4
	Reduced mean at 20 h. 04 m.	for 300.9 read	301.7
	22d, mean	for 776.2 read	777.0

Page 2631.	22d, reduced mean	for	303.8 read	304.6
2641.	20th, at 11 h. 04 m	for	492.8 read	492.0
	20th, at 12 h. 04 m	for	482. read	484.1
2645.	4th, at 13 h. 58 m	for	750. read	698.0
	4th, at 14 h. 04 m	for	698.9 read	696.9
	4th, at 14 h. 10 m	for	698.6 read	696.6
2656.	29th, at 14 h. 10 m	for	843.7 read	843.1
2657.	31st, at 8 h. 00 m	for	538.5 read	508.5
2658.	Heading Göttingen time, for 10 h. 00 m. read 19 h. 00 m.			
	31st, at 0 h. 00 m	for	634.8 read	534.8
	31st, mean	for	532.6 read	531.3
2659.	14th, at 12 h. 02 m	for	1268.2 read	1264.6
	12th, at 16 h. 02 m	for	1277.8 read	1279.8
2660.	28th, at 21 h. 02 m	for	1276.7 read	1266.7
	Mean at 21 h. 02 m	for	1247.1 read	1246.8
	Reduced mean at 21 h. 02 m	for	1188.9 read	1188.6
	Mean at 22 h. 02 m	for	1248.8 read	1248.4
	Reduced mean at 22 h. 02 m	for	1188.6 read	1188.2
	28th, mean	for	1274.4 read	1274.0
	28th, reduced mean	for	1203.8 read	1203.4
2666.	27th, at 23 h. 04 m	for	74.5 read	75.5
2668.	Mean, at 6 h. 00 m	for	531.5 read	531.1
2669.	3d, at 18 h. 00 m	for	529.7 read	519.7
	Mean, at 18 h. 00 m	for	521.7 read	521.3
	3d, mean	for	529.4 read	529.0
2670.	7th, at 12 h. 02 m	for	1248.4 read	1258.4
	Mean at 12 h. 02 m	for	1275.1 read	1275.5
	Reduced mean at 12 h. 02 m	for	1208.6 read	1209.0
	7th, at 16 h. 02 m	for	1285.6 read	1288.6
	24th, at 16 h. 02 m	for	1299.1 read	1299.1, 2 m. late
	Reduced mean at 16 h. 02 m	for	1237.9 read	1235.9
	Mean at 17 h. 02 m	for	1304.9 read	1304.7
	Reduced mean at 17 h. 02 m	for	1235.2 read	1234.0
2671.	Mean at 21 h. 02 m	for	1287.3 read	1287.7
	Reduced mean at 21 h. 02 m	for	1212.1 read	1211.5
	Mean at 22 h. 02 m	for	1287.4 read	1287.9
	Reduced mean at 22 h. 02 m	for	1209.9 read	1210.4
	7th, mean	for	1280.3 read	1280.7
	7th, reduced mean	for	1209.1 read	1209.5
2675.	Mean at 22 h. 04 m	for	828.3 read	827.9
	Reduced mean at 22 h. 04 m	for	224.9 read	224.5
2682.	At 5 h. 20 m	for	1313.3 read	1213.3
2691.	At 0 h. 38 m	for	1166.3 read	1266.3
	At 0 h. 44 m	for	1164.5 read	1264.5
	At 16 h. 26 m	for	1275.4 read	1276.4
2693.	At 16 h. 54 m	for	513.8 read	518.8
2695.	At 10 h. 10 m	for	598.8 read	597.8
2702.	Mean at 7 h. 30 m	for	551.4 read	531.4
2704.	9th at 2 h. 12 m	for	506.4 read	516.4
	Mean at 2 h. 12 m	for	533.1 read	533.5
2711.	Heading of page, for Maximum read Minimum.			
2717.	11th, at 14 h. 04 m	for	742.8 read	732.8
	Mean at 14 h. 04 m	for	715.5 read	715.1
	Reduced mean at 14 h. 04 m	for	313.2 read	312.8
2748.	11th at 22 h. 04 m	for	688. read	688.6
2775.	14th at 12 h. 02 m	for	1268.2 read	1264.6
	Mean at 12 h. 02 m	for	1132.7 read	1232.7
2780.	12th at 16 h. 02 m	for	1277.8 read	1279.8
2788.	Mean at 18 h. 00 m	for	521.7 read	521.3
2796.	Mean at 2 h. 02 m	for	1298.4 read	1298.0
2801.	14th at 13 h. 04 m	for	852.7 read	851.7
2802.	Reduced mean at 13 h. 40 m	for	247.5 read	246.4
	Reduced mean at 13 h. 46 m	for	246.1 read	245.2
	Reduced mean at 13 h. 52 m	for	244.8 read	244.1
	Reduced mean at 13 h. 58 m	for	243.5 read	243.0
	Reduced mean at 14 h. 04 m	for	243.4 read	242.0

Page 2802.	Reduced mean at 14 h. 10 m.	for	243.6 read	241.5
	Reduced mean at 14 h. 16 m.	for	243.9 read	241.1
	Reduced mean at 14 h. 22 m.	for	242.8 read	240.6
2993.	2d, phases of the moon insert ☾.			
	8th, phases of the moon insert ○.			
	15th, phases of the moon insert ☽.			
	23d, phases of the moon insert ●.			
	31st, phases of the moon insert ☾.			
2998.	19th November	for	563.9 read	559.7
	29th November	for	563.9 read	561.4
3019.	22d, barometer, reduced	for	33.007 read	30.007
3028.	At 6 h. 15 m., barometer, reduced	for	29.971 read	29.974
	At 10 h. 15 m., barometer, reduced	for	29.970 read	29.978
3033.	Barometer, reduced, 10 h. 15 m., "Oct., Nov., and Dec."	for	29.946 read	29.948
3037.	6th January	for	559.8 read	559.0
	7th January	for	568.1 read	567.3
	18th January	for	566.7 read	567.8
3040.	10th December	for	254. read	252.6
3042.	31st August	for	616.9 read	616.0
3043.	Vertical force, 13 h. 58 m., May	for	179.2 read	176.4
	Horizontal force, 12 h. 02 m. June	for	553.4 read	554.1
	Horizontal force, 16 h. 02 m. June	for	575.5 read	576.6
3044.	Declination, 2 h., August	for	564.5 read	564.9
	Declination, 18 h., September	for	558.2 read	557.7
	Declination, 2 h., December	for	562.5 read	563.5
	Vertical force, 23 h. 58 m., August	for	174.4 read	184.4
	Vertical force, 13 h. 58 m., October	for	220.2 read	217.7
	Vertical force, 13 h. 58 m. December	for	267.5 read	267.8
	Vertical force, 15 h. 58 m., December	for	262.4 read	265.1
	Vertical force, 23 h. 58 m., December	for	259.3 read	258.3
	Horizontal force, 12 h. 02 m., August	for	602.6 read	602.2
	Horizontal force, 22 h. 02 m., October	for	683.5 read	681.5
	Horizontal force, 16 h. 02 m., December	for	725.5 read	721.9
3045.	Declination 2 h., "Oct., Nov., and Dec."	for	565.2 read	565.5
	Vertical force, 13 h. 58 m., "April, May, and June."	for	183.8 read	182.9
	Vertical force, 23 h. 58 m., "July, Aug., and Sept."	for	178.2 read	181.5
	Vertical force, 13 h. 58 m., "Oct., Nov., and Dec."	for	246.8 read	246.0
	Vertical force, 15 h. 58 m., "Oct., Nov., and Dec."	for	247.5 read	248.4
	Vertical force, 23 h. 58 m., "Oct., Nov., and Dec."	for	248.7 read	248.4
	Vertical force, 13 h. 58 m., "Jan. to June."	for	200.4 read	200.0
	Vertical force, 13 h. 58 m., "July to Dec."	for	221. read	220.6
	Vertical force, 15 h. 58 m., "July to Dec."	for	216.2 read	216.6
	Vertical force, 23 h. 58 m., "July to Dec."	for	213.4 read	214.9
	Vertical force, 13 h. 58 m., 1842	for	210.7 read	210.3
	Vertical force, 23 h. 58 m., 1842	for	207.3 read	208.0
	Horizontal force, 12 h. 02 m. "April, May, and June."	for	527.9 read	528.2
	Horizontal force, 16 h. 02 m. "April, May, and June."	for	551.3 read	551.7
	Horizontal force, 16 h. 02 m., "Oct., Nov., and Dec."	for	710.1 read	708.9
	Horizontal force, 22 h. 02 m., "Oct., Nov., and Dec."	for	697.8 read	697.1
	Horizontal force, 12 h. 02 m., "Jan. to June."	for	803.6 read	803.8
	Horizontal force, 16 h. 02 m., "July to Dec."	for	672.7 read	672.1
	Horizontal force, 22 h. 02 m., "July to Dec."	for	648.4 read	648.1
	Horizontal force, 16 h. 02 m., 1842	for	598.4 read	598.0
	Horizontal force, 22 h. 02 m., 1842	for	575.8 read	575.6
3077.	Barometer, reduced, 23h., "July, Aug., and Sept."	for	29.799 read	29.979
3083.	August previous to 10th subtract .7.			
3087.	Declination, 18h., August	for	551. read	550.8
3089.	20h., "July to December."	for	554.2 read	552.3
	20h. 1843	for	555.1 read	554.2
3092.	Declination, August	for	561.5 read	561.3
3128.	4th line from the top	for	.000,040 read	.000,036.5
3136.	2h, August	for	549.2 read	548.8
3138.	21 h. 02 m., August	for	1046.6 read	1045.6
3139.	23 h. 04 m., January	for	294.6 read	295.7
	22 h. 04 m., May	for	269.6 read	270.9
3141.	2 h., "July, Aug., and Sept."	for	547.4 read	547.2

Page 3142.	21 h. 02 m., "July, August, and Sept."	for	1035.6 read	1035.3
	21 h. 02 m., "July to December."	for	1065.7 read	1065.5
3143.	23 h. 04 m., "Jan., Feb., and March."	for	289.9 read	290.3
	22 h. 04 m., "Apr., May, and June."	for	273.5 read	273.9
	23 h. 04 m., "Jan. to June."	for	282.8 read	283.0
3144.	Declination, January	for	558.3 read	558.0
	Declination, "Jan., Feb., and March."	for	558.2 read	558.0
	Declination, "Jan. to June."	for	554. read	553.9
3157.	5th, barometer, reduced	for	30.017 read	30.009
3175.	20h., "July to Dec."	for	29.904 read	29.906
	21 h., "July to Dec."	for	29.909 read	29.913
	21 h., 1844	for	29.936 read	29.938
3192.	23 h. 04 m., January	for	312.6 read	311.2
3193.	Vertical force, 23 h., 04 m., "Jan., Feb., and March"	for	308.2 read	307.8
	Vertical force, 23 h., 04 m., "Jan. to June."	for	274.2 read	274.0
3197.	25th, barometer, reduced	for	29.848 read	29.348
3212.	"Apr., May, and June," barometer, reduced	for	30.908 read	29.908

NOTES AND CORRECTIONS TO PLATES.

☞ Where both the Göttingen and Observatory times are found on the plates, the former is referred to in this list.

Plate	I–VII.	These curves have been reduced to the general series by the corrections found on pages 2978 and 2996.		
	IX.	August 31st, barometer	for 29.961 read	29.861
	XI.	December 4th, barometer	for 30.295 read	30.395
		December 26th, force of vapor	for .073 read	.173
	XII.	June, 6 h. 6 m., barometer	for 29.878 read	29.884
		June, 14 h. 6 m., force of vapor	for .521 read	.531
		July, 0 h. 6 m., barometer	for 29.935 read	29.929
		July, 2 h. 6 m., barometer	for 29.943 read	29.941
		July, 4 h. 6 m., barometer	for 29.974 read	29.948
		July, 4 h. 6 m., force of vapor	for .607 read	.616
		For 25′ past the Göttingen hours, read 6′, &c.		
		For 5′ past the Observatory hours, read 25′, &c.		
	XIII.	For 25′ past the Göttingen hours, read 6′, &c.		
		For 5′ past the Observatory hours, read 25′, &c.		
	XV.	June 25th	for 570. read	568.7
		June 26th	for 575.7 read	567.3
		Cancel curve for January.		
	XVI.	November 19th	for 563.9 read	559.7
		November 29th	for 563.9 read	561.4
	XVII.	February 13th	for 490.4 read	497.4
		February 15th	for 497.1 read	502.3
		To reduce these curves to the general series subtract 529.		
	XVIII.	July 22d	for 204.9 read	199.7
	XIX.	February 1st	for 942.4 read	1058.4
		February 2d	for 921.6 read	1037.6
		February 3d	for 912.4 read	1028.4
		February 4th	for 913.7 read	1029.7
		February 5th	for 919.7 read	1035.7
		February 6th	for 911.7 read	1024.5
		February 8th	for 1041.2 read	1072.8
		February 22d	for 1053.9 read	1035.5
		To reduce these curves to the general series, subtract from January 691.2, from February 807.2, and from the others 900.		
	XXI.	November, 10 h. 00 m	for 559.4 read	558.2
		November, 12 h. 00 m	for 557.7 read	555.8
	XXII.	February, at 11 h. 57½ m	for 486.3 read	489.0
		February, at 21 h. 57½ m	for 455.9 read	462.0
		December, at 23 h. 57½ m	for 171.4 read	167.4
		To reduce the curves previous to July, on this plate, to the general series, subtract 559.		
		Hours at Göttingen	for 6 h. 2½ m. read	6 h. 00 m.
		Hours at Göttingen	for 4 h. 2½ m. read	4 h. 00 m.
	XXIII.	February, at 22 h. 02½ m	for 1023.5 read	1017.2
		February, at 0 h. 02½ m	for 1035. read	1021.3
		February, at 2 h. 02½ m	for 1040.2 read	1026.9
		February, at 4 h. 02½ m	for 1029.8 read	1017.9
		To reduce the curves of the first six months to the general series, subtract from January 691.2, from February 793.8, and from the four other curves 900.		

Plate XXIV.	February 23d, force of vapor	for	.200 read	.182
XXVIII.	October 28th, barometer	for	30.059 read	30.359
	October 20th, thermometer	for	45.8 read	47.5
XXXI.	April, at 5 h. 55½ m., force of vapor	for	.250 read	.247
	May, at 23 h. 55½ m., barometer	for	29.802 read	29.808
	May, at 23 h. 55½ m., force of vapor	for	.380 read	.389
	June, at 17 h. 55½ m., force of vapor	for	.624 read	.619
	June, at 19 h. 55½ m., force of vapor	for	.611 read	.606
	June, at 21 h. 55½ m., force of vapor	for	.616 read	.612
	June, at 23 h. 55½ m., force of vapor	for	.624 read	.628
	In note at bottom of plate before "the Observatory hours," insert "15′ past," and for "20′ before," read "4½′ before."			
XXXII.	July, at 13 h. 55½ m., barometer	for	29.922 read	29.928
	July, at 15 h. 55½ m., force of vapor	for	.620 read	.633
	July, at 3 h. 55½ m., force of vapor	for	.556 read	.580
	In note at bottom of plate, before "the Observatory hours," insert "15′ past," and for "20′ before" read "4½′ before."			
XXXIV.	January 18th	for	566.6 read	567.8
	May 2d	for	558.7 read	562.9
	May 9th	for	561.7 read	563.2
	At bottom of plate, for "force" read "declination."			
XXXV.	September 2d	for	560.8 read	563.6
	At bottom of plate, for "force" read "declination."			
XXXVI.	January 20th	for	178.1 read	190.5
	January 21st	for	171.7 read	179.4
	March 5th	for	196.9 read	199.0
	April 12th	for	188.7 read	192.6
	May 9th	for	143.8 read	183.0
	May 30th	for	179.8 read	168.6
	June 6th	for	185.7 read	182.2
XXXVII.	October 8th	for	206.4 read	213.1
	October 28th	for	232.4 read	236.4
	December 10th	for	255.3 read	252.6
	December 14th	for	255.8 read	258.5
	December 19th	for	268.1 read	265.4
XXXVIII.	April 15th	for	531.1 read	551.1
	May 9th	for	485.5 read	492.7
XXXIX.	July 4th	for	643.7 read	652.6
	July 9th	for	595.6 read	601.3
XL.	December, at 2 h. 00 m	for	562.5 read	563.5
	At bottom of page, for "force" read "declination."			
XLI.	January, at 3 h. 58 m	for	214.6 read	219.4
	February, at 11 h. 58 m	for	258.9 read	256.5
	February, at 15 h. 58 m	for	240.9 read	244.1
	February, at 19 h. 58 m	for	237.0 read	233.0
	April, at 19 h. 58 m	for	171.1 read	176.8
	May, at 13 h. 58 m	for	179.2 read	176.4
	May, at 15 h. 58 m	for	172.8 read	180.9
	August, at 23 h. 58 m	for	174.4 read	184.4
	August, at 3 h. 58 m	for	195.5 read	199.5
	October, at 13 h. 58 m	for	220.2 read	217.7
	December, at 11 h. 58 m	for	257.6 read	263.0
	December, at 15 h. 58 m	for	262.4 read	265.1
XLII.	June, after 8 h. 02 m., add 4.0.			
	July, at 6 h. 02 m	for	588.8 read	593.6
	July, at 12 h. 2 m	for	590.6 read	593.8
	December at 16 h. 02 m	for	726. read	721.9
XLIII.	February 9th, force of vapor	for	.198 read	.098
XLIV.	March 7th, force of vapor, insert .253			
XLVII.	October 26th, thermometer	for	56.2 read	46.2
LII.	December, at 19 h. 40 m., force of vapor	for	.164 read	.166

LIV. Curve for August, previous to the 10th, subtract .7. To reduce these curves to the general series, add to curve for July 18.0, and to the others 18.7.

LIX. To reduce the curves of the six months, from July to December, to the general series, add to that of July 18.0, and to the others 18.7.

LXVI. At bottom of page, after "force" insert "or declination."

LXXIV. July, scale of force of wind for 9.00, 8.00, &c., read 0.90, 0.80, &c.

Plate LXXV.	August, scale of force of wind for 6.40, 5.60, &c., read 0.64, 0.56, &c.			
LXXIX.	July, scale of force of wind for 5.50, 5.00, &c., read 0.55, 0.50, &c.			
	August, scale of force of wind for 5.10, 4.80, &c., read 0.51, 0.48, &c.			
LXXXI.	Subtract from January, previous to 11th, .8.			
LXXXVII.	At bottom of page, for "force" read "declination."			
LXXXIX.	May, at 22 h. 04 m.	for	269.6 read	270.9
CII.	May 10th, barometer	for	30.266 read	30.356
	May 13th, barometer	for	30.085 read	30.175
	May 15th, barometer	for	30.095 read	30.185
	May 22d, barometer	for	30.237 read	30.327
	May 23d, barometer	for	30.294 read	30.384
	May 24th, barometer	for	30.218 read	30.308
	May, from entire curve of barometer, subtract .090.			
CV.	November, scale of barometer	for	30.200 read	30.300
	November, scale of barometer	for	30.173 read	30.172
	November 15th, barometer	for	30.326 read	30.226
	November 19th, barometer	for	30.281 read	30.181
	December, scale of thermometer	for	29 read	24
	December 14th, observed dew point, insert 26.6.			
CVII.	April, for force of vapor read barometer.			
	April, for barometer read force of vapor.			
CIX.	The curve of force of wind was accidentally omitted in October.			
CXVII.	January 31st, barometer	for	30.123 read	30.023
	January 4th, force of vapor insert .188			
	January 1st, 2d, and 6th, omit observed dew points.			
CXVIII.	March, 6th to 13th, inclusive, force of wind subtract 0.40.			
	April 3d, force of wind	for	3.59 read	2.59
CXIX.	May 13th, force of wind	for	1.89 read	0.89
	June 16th and 17th, force of wind, insert 1.03 and 2.58.			

1. These curves are from observations taken in the College building. One division of the scale is equal to 0.'345, while in the Observatory it was 0.'453. Also for reduction to a series in 1840, subtract 144.7 from the reading 628.8. To reduce this to the general series add 93.3.

2—3. Instrument in Observatory; to reduce these curves to the general series add 112.8. Previous to November, another correction of —19.5 should be applied.

4—6. Subtract 691.2 to reduce to the general series.

7—9. To the curves of November and December 185.3 should be added. In May and June, Lloyd instrument was in College building, where increase of one division is equal to a decrease of one division in the Observatory, which is equal to an increase of one-half division in the new instrument in 1841. Also for reduction the reading 354., College building =99.4, Observatory =139.4, new instrument in June, 1841. These reductions would bring them into the general series.

8—9. In note at bottom of plate, for "decrease of force" read "increase of force."

14. To reduce to the general series, subtract from January 691.2.
To reduce to the general series, subtract from February and March 900.

15. To reduce to the general series, subtract from April and May 900.

18. To reduce to the general series, subtract from curves 529.

19. To reduce to the general series, subtract from April and May 529.

36. To reduce to the general series, add to August and September 18.7.

37. To reduce to the general series, add to curves 18.7.

A–Z. These curves have been drawn from the means reduced to the general series, and corrected for the omissions in observing. Those of the ordinary observations will be found in the abstracts of the means. The means of the maxima and minima thus computed and reduced, it was not thought necessary to publish.

A—C. The first quarter of 1843 has been computed from the mean of the observations taken at 20 h., by applying to it a correction obtained from a comparison of observations at 20 h., with the monthly means, in the other years.

C. The mean of the month of January, 1841, is an arithmetical mean of that of December, 1840, and that of February, 1841.

K. Insert "Hours at Observatory," under lower line of figures representing the times of the observations.
2d Minimum, lower line of figures representing the times of the observations, for 13 h. 13½ m. read 8 h. 13½ m.

M. Insert "Hours at Observatory" under lower line of figures representing the times of the observations.

T. Heading, for June, 1843, read April, 1843.

V. Heading, before "Hourly" insert "Bi-Hourly, and."

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WAR DEPARTMENT,
February 10, 1845.

SIR: In answer to a resolution of the Senate of the United States requiring the Secretary of War to communicate to the Senate "the records of the magnetic observations made at the Observatory of the Girard College at Philadelphia, which are, or may be in the possession of the Department," I transmit herewith a report of the Colonel of the Corps of Topographical Engineers, containing all the papers required by the resolution.

Very respectfully, your obedient servant,

WM. WILKINS,
Secretary of War.

Hon. W. P. MANGUM,
President of the Senate.

BUREAU OF TOPOGRAPHICAL ENGINEERS,
Washington, February 10, 1845.

SIR: A resolution of the Senate of the 4th instant, directs the Secretary of War "to communicate to the Senate the records of the magnetic observations made at the Observatory of the Girard College at Philadelphia, which are, or may be in the possession of the Department."

In obedience to the resolution, I have the honor to transmit a copy of a report* from Professor A. D. Bache, dated the 1st November, 1843, together with the records which accompanied it. These last are the originals, as it would not be possible to make copies of them in time for any action of the Senate during its present session.

An examination of these records will show that they consist entirely of tabular statements, and of diagrams representing the curves of the magnetic forces, the printing and engraving of which will require great care and accuracy; it is therefore respectfully suggested, in case the honorable Senate should order the printing of these records, that this office should have authority to supervise the work.

It will be perceived that the records do not go further back than the time when the War Department met the cost of making the observations, and also that no returns have been received since the report of Professor Bache, of 1st November, 1843. But as the observations commenced in 1840, were continued with brief intermissions until taken in hand by the United States in 1843, and as the records of these observations have been offered to the department, and also as there are records now daily expected of the observations which have been continued under the department, it is respectfully recommended that an order to print may cover the observations from 1840, up to April, 1845.

It is also respectfully recommended that 200 copies may be allowed to this office for distribution.

Very respectfully, sir, your obedient servant,

J. J. ABERT,
Col. Corps of Topographical Engineers.

Hon. WM. WILKINS,
Secretary of War.

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*This report contained a description of the instruments and observations. As these are described in the preface, it is not thought necessary to print the report.

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

ORDINARY MAGNETIC AND TRIPLE OBSERVATIONS,

FROM JUNE TO DECEMBER, 1840.

GENERAL NOTES.

The times of observation are arranged according to civil reckoning at Philadelphia, the hours being written from 0 to 24, for convenience. The corresponding Göttingen time is written above the observatory time.

The declination magnetometers are of Gauss's pattern, and made by Meyerstein, of Göttingen. The unit of the scale of the subsidiary instrument is 20″.7, and of the observatory instrument 27″.3. The results with the subsidiary instrument are reduced to equivalent readings of the observatory declinometer. Increase of reading corresponds to decrease of declination.

The vertical force instrument is Lloyd's pattern, and made by Robinson, of London. The change of force represented by each division of the micrometer screw is .000,016.5; this supposes the instrument to be in the observatory, but serves approximately for its position in the college building. The correction for temperature is 3.12 divisions for 1° Fahrenheit. Increase of reading while in the college building corresponds to decrease of force; when in the observatory, to increase of force.

The horizontal force magnetometer is one of Gauss's large bifilar instruments. The change of force for each division of the scale is .000,040 of the whole horizontal force. This supposes all the instruments in their place in the observatory, but is nearly correct under all the circumstances of observation. Increase of reading corresponds to decrease of force. The correction for temperature at the beginning of the year was 3.2 divisions for 1° Fahrenheit; at the beginning of 1841, 2.9 divisions; and the corrections are applied accordingly. The thermometers of both the force instruments are divided to half degrees, and read to tenths.

The three magnetometers were arranged according to the method of Professor Lloyd, so as to produce an equilibrium in the action upon the declinometer.

The triple observations are uncorrected for temperature. When changes are made in the instruments, they are noted. The words *as before* indicate that no change has been made since the preceding month.

Göttingen time.. Observatory time.	h. m. 6 00 0 19½	h. m. 8 00 2 19½	h. m. 10 00 4 19½	h. m. 12 00 6 19½	h. m. 14 00 8 19½	h. m. 16 00 10 19½	h. m. 18 00 12 19½	h. m. 20 00 14 19½	h. m. 22 00 16 19½	h. m. 0 00 18 19½	h. m. 2 00 20 19½	h. m. 4 00 22 19½	Means.	Reduced to observatory readings.
June 1.....	646.2	641.7	643.6	653.6	658.8	647.6	630.3	620.1	626.6	643.	632.1	639.6	640.3	493.3
2.....	634.	636.2	639.9	636.3	651.9	645.7	633.6	624.	629.2	637.9	638.3	633.2	636.7	490.5
3.....	634.	.....	.....	.....	646.	635.9	628.9	625.9	631.6	630.2	632.9	632.9	633.1	487.6
4.....	635.8	636.1	643.5	651.5	649.8	638.	633.	631.9	636.	637.5	638.1	638.	639.	492.3
5.....	641.3	640.3	641.6	652.5	647.7	637.9	631.6	627.9	630.5	637.6	638.7	640.3	639.	492.3
6.....	638.4	639.7	641.8	650.2	644.7	633.2	630.	633.7	635.	642.5	642.5	641.4	639.4	492.6
8.....	640.	650.	651.8	658.3	657.8	641.5	631.	629.1	633.3	642.8	647.7	643.9	643.9	496.2
9.....	643.9	647.	648.6	655.4	644.9	632.8	627.8	625.3	634.8	642.9	642.2	644.3	640.8	493.7
10.....	644.1	647.	647.	654.7	657.3	642.7	627.9	625.8	633.9	645.7	637.2	644.7	642.3	494.9
11.....	639.	644.9	646.1	653.8	656.6	641.3	629.6	625.4	624.9	636.8	634.2	643.1	639.6	492.8
12.....	642.3	643.1	646.1	657.9	657.5	643.1	631.4	627.1	632.	638.6	638.4	641.5	641.6	494.4
13.....	643.2	642.4	644.1	651.2	655.2	635.9	621.8	625.2	631.1	641.	642.9	646.4	640.	493.1
15.....	641.	653.3	665.4	654.4	658.4	649.9	633.6	625.9	638.9	647.2	638.	637.4	645.3	497.3
16.....	641.9	631.5	644.8	656.7	652.3	641.7	629.	626.1	632.9	634.2	652.2	643.4	640.6	493.6
17.....	644.4	643.8	649.	655.6	653.1	640.7	625.7	624.5	634.3	642.4	651.	637.1	641.8	494.6
18.....	639.8	632.	646.5	653.3	653.9	643.5	630.8	631.2	635.7	634.4	632.2	634.5	639.	492.3
19.....	634.7	643.4	643.	652.9	650.	639.	625.5	622.5	633.5	640.	640.4	649.8	639.6	492.8
20.....	647.3	645.	655.4	661.5	660.5	653.3	638.9	630.2	638.8	639.2	645.8	636.	646.	497.9
22.....	640.2	643.3	643.4	657.4	662.6	645.7	622.8	626.6	632.2	639.5	639.1	638.1	640.9	493.8
23.....	640.4	641.6	645.7	655.2	654.4	645.2	636.4	632.1	636.2	643.3	647.6	650.3	644.	496.3
24.....	649.5	650.1	652.5	656.9	644.7	637.7	628.4	626.5	636.1	639.4	642.2	644.6	642.4	495.
25.....	645.	647.1	649.9	656.3	647.8	642.3	638.1	629.7	631.1	637.2	638.9	640.8	642.	494.7
26.....	648.5	643.9	648.5	652.6	646.1	639.6	626.6	628.9	635.8	632.6	636.1	642.3	640.1	493.2
27.....	643.8	658.1	635.3	656.3	662.8	648.8	638.2	631.7	637.	644.3	639.6	640.3	644.7	496.9
29.....	652.	633.5	648.6	658.	656.6	646.8	632.6	639.3	640.8	646.2	641.6	644.1	644.5	496.7
30.....	644.9	645.2	643.	650.8	646.9	637.2	633.2	632.3	633.5	646.7	647.	645.8	642.2	494.9
Means.....	642.2	643.2	646.6	654.1	653.	641.8	630.6	627.9	633.8	640.1	640.6	641.2	641.19	
Reduced to observatory readings.	494.9	495.7	498.4	504.4	503.7	494.6	485.6	483.5	488.2	493.2	493.6	494.1		494.1

Value of one division of the scale = 0′.345. Vertical hair over middle division of scale. Increasing readings correspond to decreasing westerly variations.

The declinometer was in one of the college buildings, east from the observatory. To reduce the divisions to the corresponding ones in the observatory, subtract, at 628.8, 144.7 divisions.

Göttingen time.. Observatory time	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.	Reduced to 32° F.
June 1.....	151.4	197.6	161.2	160.1	104.6	129.7	143.3	130.2	174.	217.3	263.6	211.1	170.3	28.3
2.....	275.7	210.2	217.8	188.6	208.9	167.9	171.9	141.1	84.7	85.6	78.7	92.5	160.3	27.1
3.....	148.9	191.8	121.5	120.1	152.1	170.	222.8	186.5	161.9	155.6	156.6	180.4	164.	38.3
4.....	165.9	148.4	140.6	152.3	148.9	174.8	181.	151.8	139.6	142.2	160.3	149.3	154.6	30.4
5.....	146.5	148.2	139.9	145.3	164.9	178.3	172.1	190.3	212.6	256.2	256.3	235.1	187.1	60.4
6.....	179.	219.1	190.7	221.5	211.9	224.	258.4	258.8	301.2	279.3	344.3	278.9	247.3	114.7
8.....	233.7	169.4	100.7	64.8	93.7	109.8	125.2	124.7	137.5	145.8	132.6	113.1	129.2	5.9
9.....	114.9	146.6	73.3	96.3	72.4	119.1	167.8	228.4	122.9	214.7	241.1	173.9	147.6	24.7
10.....	200.2	154.2	175.9	88.6	149.1	200.3	193.7	224.9	153.	174.1	219.2	199.2	177.7	51.4
11.....	220.7	218.5	205.9	162.4	219.6	255.6	267.7	266.7	287.2	318.3	315.4	293.8	252.6	117.2
12.....	278.8	295.6	291.8	259.	262.7	353.1	365.5	347.6	390.	404.	437.9	426.7	342.7	197.
13.....	413.5	422.2	440.	407.3	421.1	469.2	440.4	439.7	452.1	461.3	467.3	446.2	440.	283.7
15.....	362.9	463.8	552.4	459.9	468.6	402.	391.5	363.3	348.2	341.5	270.8	277.7	391.9	245.9
16.....	315.5	270.8	275.	232.	227.8	226.5	261.2	179.7	184.4	242.2	213.6	364.4	249.4	110.9
17.....	327.2	262.9	246.2	199.2	219.9	258.9	252.6	253.9	210.6	236.7	208.6	212.3	240.7	101.8
18.....	363.9	384.6	217.6	244.6	254.3	266.7	305.9	270.5	283.8	240.2	264.5	227.8	277.	138.8
19.....	186.2	310.3	273.9	230.9	233.7	258.6	260.5	227.1	256.7	287.6	290.2	267.	256.9	124.3
20.....	269.3	254.1	265.7	248.3	209.6	251.7	254.	248.6	218.9	275.	249.1	248.6	248.6	122.3
22.....	372.7	356.6	309.5	361.8	333.2	372.7	400.1	417.1	438.9	440.4	407.6	392.7	383.6	247.2
23.....	393.1	398.5	396.5	393.2	395.6	400.5	380.	396.1	445.3	415.5	349.4	342.1	392.1	250.5
24.....	356.8	322.4	304.6	284.6	334.3	436.6	411.1	382.5	399.7	456.3	503.9	513.2	392.2	245.3
25.....	511.9	558.8	577.8	507.4	462.5	499.	490.5	488.1	521.1	538.8	512.1	514.	515.2	357.6
26.....	507.6	497.5	477.8	450.	490.4	511.	465.	330.2	416.4	345.1	350.4	382.6	435.3	286.8
27.....	369.8	394.1	456.7	321.1	364.2	369.9	390.8	371.6	370.7	415.1	388.1	374.1	382.2	242.1
29.....	455.9	476.7	408.7	437.7	444.9	471.3	483.8	471.4	507.3	552.6	520.6	508.7	478.3	327.9
30.....	496.8	514.	502.3	461.4	468.6	480.1	515.9	525.4	567.6	527.3	531.1	501.8	507.7	354.5
Means.....	300.7	307.1	289.	265.3	273.7	298.4	306.6	292.9	299.5	314.2	312.8	304.9	297.1	
Reduced to 32° F.	163.1	170.4	153.3	131.1	138.6	162.7	169.3	153.7	157.5	171.	171.8	165.4		159.1

Each division of the scale corresponds to .000,016 in force, nearly. Increase of number corresponds to decrease of force. Observations made in the college building before referred to.

Göttingen time..... Observatory time...	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.
June 1.....	77.	76.5	76.5	76.	76.	76.2	77.3	78.	80.	80.	79.	78.	77.5
2.....	78.	77.	76.	75.	75.5	75.5	75.	74.7	73.	73.	72.	71.5	74.7
3.....	71.	72.	74.	72.	72.5	72.	72.7	72.7	72.	72.5	72.	72.	72.3
4.....	72.	72.	72.	71.7	71.8	72.	71.5	71.7	71.7	72.	71.	72.5	71.8
5.....	72.	72.	72.	71.	71.5	70.5	71.5	72.2	74.5	75.	75.	73.5	72.6
6.....	72.7	73.	73.	73.	73.	74.	74.5	75.	76.5	76.5	76.5	76.5	74.5
8.....	72.	72.	70.	70.	70.	70.5	71.	72.	73.	74.	72.5	71.	71.5
9.....	70.3	70.5	69.5	69.5	70.	70.5	70.7	72.	73.	76.	73.	72.	71.4
10.....	72.	71.	70.	70.	71.2	72.3	72.5	74.	74.5	74.5	74.	74.	72.5
11.....	74.	74.	73.	73.	74.	74.	74.7	76.	78.	78.6	78.	78.	75.4
12.....	77.	77.	76.	76.	76.5	77.7	78.	79.	82.	82.	82.	81.	78.7
13.....	80.7	80.	80.5	80.	80.5	81.5	84.	84.	84.	84.5	83.	82.	82.1
15.....	81.	79.3	80.	79.	78.5	78.	79.	78.3	79.	78.	77.7	77.7	78.8
16.....	76.	76.2	76.	76.	76.3	76.	76.	75.7	77.6	77.	76.	77.5	76.4
17.....	77.	77.	75.8	75.5	75.7	76.	76.	76.	77.5	78.	77.5	76.5	76.5
18.....	78.	77.5	76.	76.	76.	76.	76.	76.	76.	76.	76.	76.	76.3
19.....	76.5	76.	75.	74.5	74.6	74.	74.	74.3	74.5	74.	74.	73.	74.5
20.....	72.	71.5	72.	71.	71.5	72.	72.5	73.7	72.7	76.	72.5	73.	72.5
22.....	75.3	75.1	74.	74.	74.	74.3	75.7	76.	77.4	78.	77.7	77.	75.7
23.....	76.8	76.8	77.	76.5	76.	74.5	76.5	77.8	79.	80.	79 5	78.	77.4
24.....	77.	77.	77.	76.5	77.3	78.	78.	80.	82.	82.4	82.	82.	79.1
25.....	82.5	82.5	82.	81.	82.	82.	82.	82.5	84.	84.	84.	82.	82.5
26.....	82.	81.	80.5	80.	80.	79.3	79.	79.3	79.	78.5	79.	78.	79.6
27.....	77.	76.	76.	75.	76.	76.	76.7	78.	79.	78.	78.	77.5	76.9
29.....	78.	78.	78.	77.5	78.	79.5	80.	80.5	83.5	84.	83.5	82.	80.2
30.....	81.	80.5	80.	80.	80.	80.	81.	82.	83.	82.5	82.	81.5	81.1
Means.....	76.1	75.8	75.5	75.	75.3	75.5	76.	76.6	77.5	77.9	77.2	76.7	76.26

Degrees Fahrenheit. Correction for temperature, 3.12 divisions of the scale for each degree of Fahrenheit.

Göttingen time... Observatory time..	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
June 1.....	568.5	596.2	580.2	584.4	575.7	629.2	636.7	608.4	595.7	602.2	625.9	607.3	600.9	460.4
2.....	603.6	587.4	581.8	554.5	557.6	588.8	561.2	517.5	507.7	523.2	547.8	526.8	554.8	450.8
3.....	533.4	534.9	530.4	534.4	551.1	585.7	556.1	543.2	551.2	548.9	545.1	550.6	547.1	441.5
4.....	551.5	551.	543.3	536.	544.2	579.1	554.	532.9	542.9	544.3	540.2	539.3	546.6	436.2
5.....	540.8	535.1	524.6	522.6	545.7	572.9	554.	565.8	570.2	576.4	579.8	577.9	555.5	434.5
6.....	577.8	561.3	556.8	555.7	570.	572.4	568.3	544.8	563.8	604.6	596.8	595.5	572.3	437.3
8.....	518.2	530.9	518.7	497.9	520.4	535.3	511.1	485.4	510.9	554.6	562.5	547.3	524.4	428.7
9.....	546.1	529.1	520.4	513.3	535.	533.1	525.1	522.6	542.4	577.2	571.7	573.2	540.8	428.8
10.....	562.3	568.5	547.2	531.9	552.1	574.1	573.1	567.8	580.1	596.5	601.1	609.4	572.	447.2
11.....	583.8	593.6	596.3	575.7	592.4	589.	571.4	571.4	593.7	628.4	649.1	633.4	598.2	459.
12.....	632.8	610.8	601.6	580.2	621.7	630.5	597.6	580.5	595.4	660.2	646.6	631.8	615.8	466.4
13.....	628.8	621.1	606.6	602.8	640.5	676.2	633.2	621.2	624.3	649.3	636.3	633.6	631.2	475.4
15.....	626.1	604.4	647.	628.6	619.2	632.8	645.9	609.6	582.6	619.4	620.	599.	619.5	495.
16.....	627.9	640.	611.9	584.5	610.	648.3	624.8	604.1	577.6	634.5	628.2	620.3	617.7	500.6
17.....	618.3	616.6	602.8	593.6	605.5	628.9	633.	609.8	608.3	621.8	639.9	634.7	617.8	493.
18.....	.....	597.	605.6	597.2	605.4	621.3	608.8	583.6	580.4	599.1	589.6	589.5	598.	480.6
19.....	577.8	596.9	595.7	581.8	590.1	608.7	609.7	552.3	529.9	600.2	586.1	611.7	586.7	473.7
20.....	615.2	592.8	591.1	571.2	578.4	620.9	624.5	573.6	581.2	596.3	613.7	604.1	596.9	490.7
22.....	626.8	625.5	626.	607.3	653.3	663.8	665.5	650.9	652.8	654.9	663.6	649.6	646.7	509.1
23.....	654.8	648.6	642.	628.3	643.2	651.	642.1	642.6	633.8	651.1	650.	660.3	645.6	504.5
24.....	649.7	652.9	635.7	631.8	648.7	657.3	642.8	622.1	657.1	666.4	665.6	671.3	650.1	506.7
25.....	662.7	647.1	638.4	630.6	649.3	677.2	675.5	680.7	663.6	674.9	676.2	671.2	662.3	510.3
26.....	652.7	649.4	650.2	640.9	628.7	659.4	634.5	592.3	575.9	545.8	608.1	607.8	620.5	491.5
27.....	604.8	651.5	646.4	618.9	638.5	669.1	659.5	666.4	658.	661.8	672.8	663.1	650.9	525.1
29.....	711.9	658.5	672.9	662.1	.....	705.2	719.4	703.5	676.8	705.3	705.4	714.7	694.2	539.
30.....	690.6	688.7	693.1	671.2	700.9	709.9	694.5	685.2	681.5	699.1	697.	693.1	692.1	537.5
Means.....	606.7	603.5	598.7	586.	599.1	623.8	612.4	593.8	593.8	615.2	620.	616.	605.77	
Reduced to 32° F.	481.9	482.9	481.9	469.2	480.1	499.3	481.8	457.5	453.	474.4	485.6	484.8		477.55

Each division of the scale corresponds to .000040, nearly, in force.

Göttingen time .... / Observatory time ...	h. m. 6 02½ / 0 22	h. m. 8 02½ / 2 22	h. m. 10 02½ / 4 22	h. m. 12 02½ / 6 22	h. m. 14 02½ / 8 22	h. m. 16 02½ / 10 22	h. m. 18 02½ / 12 22	h. m. 20 02½ / 14 22	h. m. 22 02½ / 16 22	h. m. 0 02½ / 18 22	h. m. 2 02½ / 20 22	h. m. 4 02½ / 22 22	Means.
June 1	74.7	73.1	71.6	71.5	72.6	74.9	77.6	80.8	83.5	80.8	75.8	74.	75.9
2	71.2	70.9	67.5	65.8	64.7	64.1	62.5	62.6	61.7	61.2	60.8	60.5	64.5
3	60.5	60.9	61.6	62.2	63.3	64.8	66.7	68.3	68.5	68.3	67.5	67.1	65.
4	66.7	66.3	66.	66.1	66.5	66.7	66.7	66.5	66.8	66.9	66.3	66.	66.5
5	65.5	65.2	64.7	65.7	67.	68.5	69.5	72.5	75.1	77.	73.9	72.9	69.8
6	71.3	69.7	68.8	68.2	70.7	72.5	76.7	77.6	80.1	79.7	78.5	76.9	74.2
8	59.3	58.	56.7	57.	58.2	59.8	62.	64.2	67.1	68.	66.3	65.8	61.9
9	64.2	62.7	61.1	61.5	63.2	65.2	68.2	71.2	72.3	73.2	70.6	70.1	67.
10	68.5	66.7	65.2	65.	67.	69.2	73.	75.6	77.	76.4	74.9	74.1	71.
11	72.5	71.1	69.8	69.3	71.2	75.	77.7	79.	80.9	82.	79.	78.3	75.5
12	76.5	74.3	73.2	73.8	75.6	77.	79.8	81.8	84.	84.8	82.1	81.2	78.7
13	80.1	78.5	77.3	78.	79.5	81.1	82.1	82.9	84.5	84.2	80.1	80.1	80.7
15	72.8	71.9	70.8	70.	69.3	69.	70.2	71.9	72.8	72.3	70.2	69.7	70.9
16	67.3	65.9	63.8	64.2	65.7	67.1	68.5	70.5	73.	74.2	72.3	71.2	68.6
17	68.7	67.2	65.3	66.4	68.3	70.	72.	74.6	76.3	76.4	74.	72.4	71.
18	....	67.8	67.1	67.2	67.5	68.5	70.9	70.	70.2	69.4	69.	68.5	68.7
19	67.4	67.2	65.8	65.2	66.3	67.5	68.	69.1	70.5	68.6	66.2	66.	67.3
20	64.8	63.6	62.6	61.9	62.2	64.	66.	67.2	67.3	68.5	67.7	66.5	65.2
22	71.8	70.5	69.	69.6	71.3	73.5	76.3	79.	80.7	80.9	79.6	77.9	75.
23	77.	75.4	73.9	72.	72.	73.1	75.2	77.5	79.6	81.	79.	77.	76.1
24	75.4	73.2	71.8	71.3	73.1	75.9	78.7	80.5	82.9	83.6	79.	76.3	76.8
25	75.5	74.4	73.5	74.4	76.8	79.5	82.	84.6	86.1	85.2	81.6	79.9	79.5
26	78.	76.7	75.	73.5	72.3	71.2	70.5	71.3	71.2	70.2	69.1	68.2	72.3
27	66.5	66.	65.6	....	....	69.	71.	74.	76.	76.	75.	74.	71.3
29	77.6	76.6	76.	75.7	....	77.8	81.	83.5	84.	85.9	84.	83.5	80.5
30	80.8	79.	77.8	77.9	77.5	78.5	80.5	82.1	84.2	82.1	82.	81.	80.3
Means.....	71.	69.7	68.5	68.5	69.2	70.9	72.8	74.6	76.	76.	74.	73.	72.07

Degrees Fahrenheit. Correction for temperature, 3.2 divisions of the scale for each degree of Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 52½	h. m. 14 00	h. m. 14 07½	h. m. 13 50	h. m. 13 57½	h. m. 14 05	Temperature Fahrenheit.	h. m. 13 55	h. m. 14 02½	h. m. 14 10	Temperature Fahrenheit.
Observatory time...	2 12	8 19½	8 27	8 09½	8 17	8 24½		8 14½	8 22	8 29½	
June 1.....	658.1	658.8	659.2	107.7	104.6	102.1	76.	575.6	575.7	583.5	72.8
2.....	652.2	652.	649.2	206.	208.9	214.8	75.5	558.4	557.6	561.3	64.7
3.....	646.4	646.1	646.	162.9	152.1	157.2	72.5	549.	551.1	552.8	63.3
4.....	651.6	649.8	649.8	150.5	148.9	149.4	71.8	542.7	544.2	554.5	66.5
5.....	650.9	647.7	650.7	131.9	164.9	169.1	71.5	546.7	545.7	548.3	67.
6.....	645.4	644.7	644.3	208.6	211.9	209.1	73.	568.8	570.	572.2	70.7
8.....	657.6	657.8	657.	94.9	93.7	78.2	70.	518.	520.4	522.3	58.2
9.....	647.3	645.	644.8	72.4	72.4	79.4	70.	.....	535.	535.4	63.2
10.....	656.4	657.3	657.7	146.1	149.1	150.4	71.5	549.8	552.1	552.3	67.
11.....	654.6	656.6	657.2	197.8	219.6	223.3	74.	593.5	592.4	592.7	71.2
12.....	657.3	657.5	656.8	260.3	262.7	263.5	76.5	617.7	621.7	622.7	75.6
13.....	655.6	655.2	654.8	421.7	421.1	417.1	80.5	634.7	640.5	642.4	79.5
15.....	657.3	658.4	659.4	419.8	468.6	510.8	78.5	614.1	619.2	616.8	69.3
16.....	650.6	652.3	652.6	249.4	227.8	231.5	76.3	601.	610.	611.2	65.7
17.....	652.8	653.1	652.6	184.4	219.9	224.1	75.7	600.7	605.5	603.	68.3
18.....	653.9	653.9	654.4	252.2	254.3	252.4	76.	605.3	605.4	608.2	67.5
19.....	650.3	650.	649.7	233.	233.7	244.5	74.6	587.3	590.1	594.7	66.3
20.....	659.4	660.5	660.6	207.8	209.6	216.6	71.5	.....	578.4	580.2	62.5
22.....	661.2	662.6	657.1	345.6	333.2	340.3	74.	647.3	653.3	654.8	71.3
23.....	654.9	654.4	654.	393.8	395.6	371.7	76.2	644.2	643.2	644.2	72.
24.....	644.9	644.7	643.2	341.6	334.3	341.9	77.3	645.5	648.7	649.	73.2
25.....	.....	647.8	.....	.....	.....	.....	....	643.7	649.3	651.8	76.7
26.....	649.	646.1	646.4	472.5	490.4	506.3	80.	628.9	628.7	630.5	72.3
27.....	664.9	662.8	664.1	354.3	364.2	332.8	76.	639.8	638.5	640.4	(?) 67.
29.....	657.	656.6	657.1	438.8	444.9	440.5	78.	.....	.....	.....	....
30.....	648.9	646.9	646.1	472.2	468.6	485.8	80.	698.4	700.9	699.4	77.5

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.		Reduced to
Göttingen time....	6 00	8 00	10 00	12 00	14 00	16 00	18 00	20 00	22 00	0 00	2 00	4 00	Means.	observatory readings.
Observatory time..	0 19½	2 19½	4 19½	6 19½	8 19½	10 19½	12 19½	14 19½	16 19½	18 19½	20 19½	22 19½		
July 1.....	649.2	645.6	654.5	658.8	662.7	647.	634.2	629.1	635.8	645.5	648.9	648.4	646.6	498.4
2.....	655.2	652.1	655.	658.8	664.4	643.1	629.	631.8	633.1	635.8	635.8	637.7	644.3	496.5
3.....	638.6	640.4	644.3	649.8	654.7	648.4	633.	634.4	637.7	643.2	640.9	640.1	642.1	494.8
4.....	641.	639.8	643.9	653.7	663.9	662.6	623.9	634.	642.2	.....	641.3	.....	644.6	496.8
6.....	696.2	677.8	.....	665.5	643 9	637.3	624.9	628.9	632.3	637.6	630.1	631.9	646.	497.9
7.....	635.	623.4	637.7	655.	655.4	655.6	631.5	631.2	629.7	633.7	629.3	632.9	637.5	491.
8.....	638.	637.1	640.8	641.4	642.4	637.	627.	626.1	633.4	633.2	636.1	633.5	635.5	489.5
9.....	633.3	633.2	644.3	650.2	649.3	634.5	630.8	626.4	632.4	637.	636.7	644.3	637.7	491.3
10.....	651.5	628.4	645.8	649.7	646.7	670.7	625.1	625.8	631.8	639.7	641.3	641.	641.5	494.4
11.....	646.8	643.1	647.2	653.	651.1	640.9	632.4	627.8	635.5	642.	645.6	645.2	642.5	495.1
13.....	646.2	642.4	643.4	658.4	656.8	646.2	636.	633.	642.1	646.7	647.8	647.5	645.5	497.5
14.....	646.7	647.2	658.1	667.	665.	649.4	626.1	622.1	636.4	641.6	645.3	652.4	646.7	498.5
15.....	650.2	650.7	651.7	662.2	661.3	648.6	631.7	624.7	627.7	640.3	641.7	643.3	644.5	496.7
16.....	644.	644.2	650.3	657.	656.9	639.8	630.4	617.3	628.3	653.8	641.9	643.7	642.3	494.9
17.....	648.9	667.	649.5	636.1	649 2	650.5	636.3	632.4	644.9	643.5	652.8	654.6	647.1	498.8
18.....	644.8	661.	651.7	635.5	650.6	645.4	641.2	636.4	.....	.....	.....	.....	645.8	498.5
Means.....	647.8	645.8	647.9	653.3	654.6	647.3	630.8	628.8	634.9	641.2	641.	642.6	643.07	495.57

Value of one division of the scale, 0′.345. Increasing readings correspond to decreasing declination. Instrument in college building, as before.

July 18.....	.....	.....	.....	.....	.....	.....	.....	.....	515.4	516.6	516.5	516.1	.....	516.1
20.....	518.3	521.2	521.4	516.7	531.6	519.	505.8	495.4	503.9	489.1	498.2	495.9	.....	509.3
21.....	495.3	494.3	496.1	497.4	503.9	488.1	480.	483.2	485.4	498.2	498.1	495.	.....	492.9
22.....	496.3	493.6	498.	505.4	508.4	495.2	483.7	482.2	.....	493.6	496.9	501.7	.....	495.9
23.....	508.2	515.	507.2	515.8	507.5	496.1	485.9	485.9	490.8	497.	502.7	502.3	.....	501.2
24.....	500.1	506.1	482.7	511.3	502.2	481.8	484.	482.5	490.2	495.5	491.3	498.6	.....	493.9
25.....	496.4	496.4	497.9	504.7	500 8	495.3	498.7	491.	487.9	491.5	491.7	497.7	.....	495.8
27.....	498.1	495.3	498.4	503.8	504.3	489.8	478.6	479.7	490.4	487.5	491.8	494.8	.....	492.7
28.....	497.6	498.8	494.3	498.5	511.8	492.4	479.7	479.	487.	492.9	495.9	498.5	.....	493.9
29.....	494.7	502.9	502.2	508.	510.5	493.4	483.1	482.7	487.5	491.5	504.7	504.1	.....	497.1
30.....	495.	495.4	497.5	504.3	504.9	497.5	483.	482.3	490.1	499.1	500.9	497.3	.....	495.6
31.....	497.6	503.2	499.1	506.7	508.6	494.2	484.4	482.3	487.7	496.5	494.4	493.5	.....	495.7
Means.....	499.3	502	499.5	506.6	508.6	494.8	486.1	484.2	492.4	495.8	498.6	499.6	.....	498.05
Reduced means....	499.4	497.8	499.5	503.8	504.8	499.0	485.8	484.2	489.1	485.8	493.9	495.3	.....	.....
General do. for mo.	499.4	499.5	499.5	504.9	506.3	497.3	485.9	484.2	490.4	496.0	496.3	497.5	.....	.....

Instru't in observatory. Val. of 1 div. of scale 0′.453. Increas'g readings correspond to decreas'g westerly declination. For reduction, subtract 144.7 from Nos. observed with the subsidiary at 628.8.

Göttingen time.. Observatory time	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.	Reduced to 32° F.
July 1.....	516.9	538.5	533.4	482.4	453.5	487.	475.5	479.7	459.8	469.4	439.5	417.2	479.4	332.2
2.....	424.7	435.5	397.6	390.7	403.6	428.2	411.4	397.8	393.3	381.6	389.7	401.5	404.6	267.6
3.....	416.6	396.5	371.1	348.3	343.4	445.7	402.5	327.2	339.4	331.5	309.5	326.1	363.1	228.6
4.....	320.7	306.5	287.2	289.8	317.6	373.1	358.5	338.8	353.6	349.2	346.1	337.7	331.6	198.4
6.....	509.1	708.	.....	399.6	345.6	311.2	298.8	331.4	251.9	224.4	240.6	257.2	352.5	218.3
7.....	276.1	285.	298.7	293.4	274.9	288.5	275.1	275.1	270.8	322.7	305.4	292.5	288.2	159.7
8.....	313.7	267.2	279.4	258.8	463.6	370.8	299.4	317.4	236.7	269.1	264.6	264.	300.4	170.3
9.....	280.4	298.3	332.1	325.1	409.8	433.9	378.6	382.9	318.9	360.	310.3	335.5	347.1	213.3
10.....	425.2	386.1	354.3	305.	381.1	424.1	427.9	362.3	407.1	441.2	429.5	442.4	398.8	261.8
11.....	428.9	438.7	401.7	442.2	510.7	500.5	476.4	476.1	429.3	462.1	442.1	484.1	457.7	312.
13.....	502.8	535.	505.7	458.4	555.4	603.	621.8	525.7	470.8	492.7	525.	514.3	525.9	375.5
14.....	477.3	494.4	478.6	589.9	552.4	570.6	575.8	602.7	567.	634.2	572.8	589.9	558.8	402.2
15.....	564.1	536.5	522.2	494.8	502.7	555.9	566.3	617.7	659.7	723.7	625.1	621.7	582.5	423.7
16.....	600.1	608.5	587.1	573.1	603.	685.8	663.	657.7	669.2	710.5	635.9	610.4	633.7	470.3
17.....	606.4	712.1	720.9	738.3	719.6	644.2	542.4	511.6	503.8	572.6	579.6	535.9	615.6	451.5
18.....	565.1	720.8	802.4	835.	727.2	677.1	545.4	512.6	.....	.....	.....	.....	673.2	511.9
Means.....	451.7	479.2	458.2	451.5	472.8	487.5	457.4	444.8	422.1	449.6	427.7	428.7	453.02	.....
Reduced to 32° F.	307.6	336.3	316.2	311.4	330.5	344.	313.	297.9	273.3	300.5	281.1	284.	.....	308.56

Unit of force, ,000,016.5. Increase of number corresponds to decrease of force. Observations made in the college building.

Göttingen time.. Observatory time.	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.
July 1.....	81.5	80.	80.	79.5	79.	79.	78.7	78.7	80.	80.	78.	76.5	79.2
2.....	76.5	76.5	75.	75.	75.	75.5	76.	76.5	76.	76.	76.5	76.	75.9
3.....	76.	75.5	75.	74.	74.5	75.	75.	75.	77.5	77.	73.5	73.5	75.1
4.....	73.5	72.5	72.5	73.	74.	74.	75.	76.	77.	77.	76.	76.	74.7
6.....	74.5	75.	....	74.	76.	77.	76.5	76.5	74.5	74.	74.	73.5	75.
7.....	73.	72.5	72.5	72.	72.	73.	73.	74.	74.	74.5	74.	73.5	73.2
8.....	73.5	73.	72.5	72.5	74.	74.	74.	74.	74.5	74.	74.	74.	73.7
9.....	74.	74.	73.5	73.	74.5	75.	75.	76.	76.5	76.	76.	75.5	74.9
10.....	75.5	75.5	75.	74.	75.	75.	76.	77.	79.	80.	79.5	79.	75.9
11.....	78.	77.5	77.	76.	77.	78.	78.	79.	81.	81.5	81.5	80.	78.7
13.....	81.	80.	79.	79.	80.	80.	81.	81.	81.	80.2	81.	79.5	80.2
14.....	81.	81.	80.	80.	81.	81.	82.	83.	84.	84.5	84.5	83.5	82.2
15.....	82.	81.	81.	80.	80.	81.	82.	84.	86.	87.	85.5	85.5	82.9
16.....	83.	83.	82.	81.5	82.	83.	84.	87.	87.	88.5	86.	85.5	84.4
17.....	85.	84.	84.	83.	83.	84.	83.5	85.5	87.	87.	85.5	84.2	84.6
18.....	84.	84.	84.	83.	84.5	84.	83.	83.					83.7
Means.....	78.2	77.8	77.5	76.9	77.6	78.	78.3	79.1	79.7	79.8	79.	78.4	78.30

Correction for temperature as before.

Göttingen time..	h. m. 5 57½	h. m. 7 57½	h. m. 9 57½	h. m. 11 57½	h. m. 13 57½	h. m. 15 57½	h. m. 17 57½	h. m. 19 57½	h. m. 21 57½	h. m. 23 57½	h. m. 1 57½	h. m. 3 57½	Means.	Reduced to 32° F.
Observatory time	0 17	2 17	4 17	6 17	8 17	10 17	12 17	14 17	16 17	18 17	20 17	22 17		
July 18*.....														
20.....	—460.8	—474.	—375.2	—389.	—486.5	—496.7	—453.9	—482.3	—487.2	— 83.9	—100.9	— 95.9	—365.5	—230.4
21.....	12.9	51.8	92.4	120.5	55.7	— 31.8	—132.9	—139.4	—173.5	— 32.9	— 15.3	— 9.1	— 16 8	114.9
22.....	99.3	86.1	83.1	177.9	134.9	57.	—128.9	—148.1	†	—229.	—256.6	—342.4	— 42.4	95.5
23.....	—313.	—354.5	— 32.2	86.9	120.6	14.8	— 92.5	—118.3	— 38.6	5.8	32.4	83.3	— 50.4	95.9
24.....	160.6	88.1	6.9	57.5	43.8	— 39.1	— 80.1	— 65.1	— 92.8	—108.4	—108.7	— 68.9	— 17.2	119.8
25.....	— 17.1	— 15.1	31.3	66.5	11.8	34.	— 22.2	— 62.7	‡—176.5	—120.9	—126.2	—117.6	— 42.9	94.1
27.....	— 86.3	— 27.2	58.9	49.9	— 27.6	— 14.8	—131.7	—185.2	—231.7	—304.5	—249.8	—191.6	—111.8	30.5
28.....	—173.8	— 77.2	— 81.3	— 6.4	— 89.5	— 83.2	—231.9	—156.5	— 85.	— 34.5	— 32.3	16.2	— 86.3	61.9
29.....	— 3.1	13.4	— 6.7	78.4	2.5	— 87.2	—164.2	—126.4	—156.6	— 78.	26.8	—228.3	— 60.8	95.5
30.....	— 44.	39.3	130.3	— 72.2	40.7	— 28.2	— 70.3	— 63.1	— 93.2	— 98.	— 67.2	—145.4	— 39.3	106.7
31.....	— 50.8	— 2.9	53.4	85.	102.7	59.5	47.	14.9	— 9.6	23.1	2.5	109.2	36.2	179.7
Means.....	— 79.6	— 61.1	— 3.6	23.2	— 8.3	— 56.	—132.9	—139.3	—154.5	— 96.5	— 81.4	— 90.	— 72.7	.....
Reduced to 32° F.	62.7	77.8	131.5	156.4	126.5	81.6	8.4	5.8	— 5.4	— 53.9	68.	57.2	....	69.3

Unit of force, .000,016.5. Increase of reading corresponds to increase of force. Magnetometer in the observatory.

* The four observations taken on the 18th, at the observatory, have been thrown out, as they appeared doubtful.

† The instrument was placed in the observatory, with the declination and horizontal force instruments, on the 18th. From the 22d, at 18*h.* 17*m.*, to September 12, inclusive, the observed numbers have been corrected for errors occasioned by moving the *fixed* hair in the right-hand microscope.

‡ 25*m.* 17*s.* *late.*

Göttingen time.. Observatory time.	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.
July 20.....	76.	76.	76.	76.	73.	75.	75.	75.	75.5	76.	75.5	75.	75.3
21.....	74.	72.	70.	69.5	73.	73.	74.2	76.	78.2	78.5	77.5	74.5	74.2
22.....	72.8	71.8	70.8	71.	72.5	73.8	77.	79.	....	82.	83.5	83.7	76.2
23.....	86.	83.	79.5	77.5	78.5	80.	78.	78.	77.6	76.2	76.2	75.9	78.9
24.....	75.	74.5	74.	74.	75.	75.7	75.8	77.5	78.	77.9	77.3	76.4	75.9
25.....	75.5	74.2	72.8	72.3	73.2	73.8	74 8	76.4	79.2	80.	79.5	79.	75 9
27.....	76.8	75.6	74.6	73.8	74.	74.5	77.7	79.	81.5	82.2	81.3	80.4	77.6
28.....	78.	78.4	77.4	75.5	76.3	76.8	79.	80.	82.5	83.8	84.3	82.5	79.5
29.....	81.5	81.	80.5	80.	80.	80.6	81.4	82.6	84.	84.7	83.5	85.8	82.1
30.....	78.8	77.	75.2	75.	75.5	77.	79.2	81.	82.5	82.2	82.	80.	78.8
31.....	78.8	78.	77.	77.5	76.	76.7	78.2	79.2	79.5	78.7	78.5	78.2	78.
Means.....	77.6	76.5	75.3	74.7	75.2	76.1	77.3	78.5	79.8	80.2	79.9	79.2	77.51

Correction for temperature as before.

Göttingen time.. Observatory time.	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
July 1.....	687.6	675.5	665.8	655.4	672.2	682.1	671.7	663.5	656.5	662.1	657.9	656.6	667.2	529.9
2.....	647.7	646.6	643.	631.3	656.6	668.9	647.4	605.	645.8	641.3	645.6	641.9	643.4	524.4
3.....	636.2	629.4	619.4	606.5	634.6	668.7	664.2	629.5	606.9	634.2	635.2	624.7	632.5	522.1
4.....	626.6	613.	614.9	618.8	631.3	705.3	697.1	629.9	638.2	704.8	816.5	810.	675.5	556.5
6.....	872.3	868.8	838.6	806.4	866.1	822.5	807.7	765.	726.4	773.9	786.1	784.6	809.9	688.
7.....	765.6	742.8	761.1	749.	768.5	791.9	786.3	709.	752.4	753.7	767.	769.	759.7	641.9
8.....	770.2	758.3	752.6	756.9	778.2	802.2	757.1	761.4	747.7	774.3	771.3	774.1	767.	643.2
9.....	764.8	762.5	768.	776.1	812.3	822.	788.1	776.2	747.3	771.4	743.4	794.6	777.2	641.8
10.....	780.8	790.7	768.3	761.5	768.5	810.9	747.4	722.7	781.8	800.5	783.2	785.4	775.1	636.9
11.....	816.9	787.	780.6	791.5	836.6	837.3	796.6	791.4	772.7	841.6	812.7	796.5	805.1	658.9
13.....	794.1	798.5	813.6	811.8	831.	841.9	789.2	768.	794.3	802.8	810.2	.....	805.	659.7
14.....	799.2	774.7	775.5	779.5	820.8	842.	815.4	774.4	741.1	808.3	843.2	813.8	799.	644.8
15.....	808.3	803.7	793.1	783.8	802.6	827.2	819.1	802.5	814.2	823.3	834.7	834.7	812.3	657.1
16.....	835.9	809.4	825.2	836.6	849.7	837.6	838.6	845.3	*720.6	855.5	890.7	894.3	836.6	691.3
17.....	897.2	907.5	916.5	880.4	956.	975.2	944.4	872.7	898.3	955.1	976.	932.2	926.	763.8
18.....	954.	941.8	898.4	920.5	972.4	986.5	952.2	837.5	782.7	805.3	791.6	805.8	887.4	731.9
20.....	779.4	802.3	783.	777.9	774.7	801.7	767.6	761.8	760.1	771.9	786.1	771.1	778.1	640.5
21.....	756.1	747.9	744.7	757.6	755.7	802.6	764.2	751.4	767.	772.1	794.1	780.2	766.1	634.6
22.....	766.6	749.1	750.2	756.1	776.	783.	795.6	774.3	779.9	800.4	786.7	815.	777.7	638.8
23.....	855.8	815.1	807.7	779.9	829.6	824.5	834.8	811.5	776.	779.7	780.	788.5	806.9	665.8
24.....	778.3	761.1	756.1	757.9	783.2	800.7	787.1	796.8	756.2	797.8	793.	786.1	779.5	639.7
25.....	768.	768.9	753.	745.3	792.1	755.4	803.9	760.2	735.7	819.2	791.9	790.3	773.7	634.5
27.....	792.	783.	777.1	760.9	798.8	826.3	812.2	777.8	786.2	802.	791.	787.3	791.2	645.9
28.....	808.4	779.9	760.	776.	796.7	816.8	795.5	793.3	814.	840.	828.8	815.8	802.1	651.1
29.....	792.6	786.6	815.8	796.8	811.	815.9	827.1	812.1	746.2	855.6	879.6	858.3	816.5	658.1
30.....	810.4	827.	807.5	826.8	822.5	838.5	845.5	832.1	801.9	822.1	780.3	810.8	818.8	670.3
31.....	793.3	797.1	798.2	787.4	828.5	819.8	816.9	824.9	796.2	796.3	812.	806.8	806.4	659.8
Means.....	783.6	775.1	769.9	766.2	793.6	807.7	791.6	764.8	753.6	787.6	792.2	789.6	781.26	.....
Reduced to 32° F.	644.4	639.4	638.1	635.6	660.2	671.7	649.8	618.9	609.6	639.1	646.6	648.5	641.84	.....

Instruments as in June.

* Bar surrounded with ice, to get correction for temperature.

Göttingen time.... Observatory time...	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.
July 1.....	78.9	77.4	75.5	74.	73.	73.	74.5	75.	75.	76.	74.	73.	74.9
2.....	71.5	69.9	68.	67.4	67.3	68.	69.4	70.5	70.2	70.	69.5	68.9	69.2
3.....	68.	67.4	66.3	66.2	66.3	66.	66.	67.	67.	66.1	66.1	65.8	66.5
4.....	65.5	64.5	63.6	64.2	66.	68.	70.5	72.5	75.5	75.9	74.	70.	69.2
6.....	71.7	69.9	68.2	68.6	69.5	70.	72.	73.	73.	69.	68.	67.9	70.1
7.....	67.	66.4	66.2	66.3	67.	68.	69.	70.	72.8	72.	70.4	70.	68.8
8.....	69.9	69.5	68.7	68.	68.	69.	71.	72.5	72.8	73.2	73.	72.5	70.7
9.....	72.8	72.5	72.2	72.6	73.5	74.5	75.	76.	76.8	76.	75.9	73.8	74.3
10.....	72.7	72.	71.4	71.5	72.	73.	75.5	78.	79.	80.	79.5	78.	75.2
11.....	76.	75.7	74.5	74.	74.5	76.	78.	80.5	82.1	82.4	82.	76.8	77.7
13.....	78.7	77.6	75.9	75.1	76.	77.	79.	78.	78.	78.5	78.	....	77.4
14.....	78.	77.7	77.1	77.3	79.	80.	82.	82.	83.1	83.8	82.3	80.3	80.2
15.....	78.5	77.1	75.8	74.9	77.	78.	81.	84.	85.1	86.2	83.9	84.	80.5
16.....	82.4	80.9	79.1	78.1	80.	81.	86.	80.	*39.4	76.	83.	83.4	77.4
17.....	82.8	81.1	79.8	79.2	79.5	80.3	82.5	84.	85.6	86.9	86.	84.4	82.7
18.....	83.7	82.1	80.8	79.9	80.	81.4	81.5	82.5	80.5	79.	78.2	77.3	80.6
20.....	78.9	76.6	74.6	73.9	74.	73.5	74.	....	75.	76.6	75.	72.7	75.
21.....	71.4	70.2	68.8	68.4	70.	71.	73.5	76.	78.	78.8	76.4	74.5	73.1
22.....	72.2	71.1	70.1	70.3	72.	74.	....	79.5	81.5	81.3	79.	78.	75.4
23.....	77.2	76.1	74.6	74.	75.3	76 8	77.9	77.5	77.	76.	75.5	74.9	76.1
24.....	74.	73.7	73.6	73.3	75.	75.5	76.5	78.	79.	78.	76.6	75.4	75.7
25.....	74.1	73.6	72.	71.5	73.	73.	74.7	76.8	78.9	80.8	79.5	78.	75.5
27.....	76.8	75.	73.7	72.8	74.	74.	77.	79.	83.	83.	81.5	79.4	77.4
28.....	78.3	77.	75.7	75.	76.5	77.	79.	80.5	82.9	84.	83.	81.8	79.2
29.....	81.	80.2	79.8	79.1	80.	81.	82.	83.	84.	84.8	82.8	80.9	81.5
30.....	78.	76.1	74.3	73.9	75.5	76.5	79.	81.	82.7	82.5	81.7	79.5	78.4
31.....	78 2	77.1	76.2	75.8	76.	77.	78.5	80.	79.9	79.	78.5	77.8	77.8
Means.....	75.5	74.4	73.2	72.8	73.7	74.5	76.3	77.6	77.	78.4	77.5	76.1	75.57

* Bar surrounded with ice, to get correction for temperature.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 52½	h. m. 14 00	h. m. 14 07½	h. m. 13 50	h. m. 13 57½	h. m. 14 05	Temperature Fahrenheit.	h. m. 13 55	h. m. 14 02½	h. m. 14 10	Temperature Fahrenheit.
Observatory time...	8 12	8 19½	8 27	8 9½	8 17	8 24½		8 14½	8 22	8 29½	
July 1.....	662.3	662.7	658.5	483.7	453.5	471.2	79.	673.9	672.2	673.2	73.
2.....	664.	664.4	663.9	390.	403.6	405.7	75.	651.9	656.6	659.9	67.3
3.....	655.8	654.7	655.7	345.8	343.4	372.7	74.5	633.	634.6	639.4	66.2
4.....	659.7	663.9	655.1	323.7	317.6	326.6	74.	625.5	631.3	632.3	66.
6.....	643.2	643.9	643.5	367.2	345.6	356.6	76.	863.7	866.1	861.5	69.5
7.....	656.4	655.4	655.4	261.	274.9	293.6	72.	766.	768.5	774.2	67.
8.....	641.4	642.4	645.8	408.3	463.6	443.2	74.	777.9	778.2	783.4	68.
9.....	652.3	649.3	648.5	389.5	409.8	429.4	74.5	805.	812.3	816.9	73.5
10.....	649.	646.7	648.3	351.5	381.1	392.9	75.	773.1	768.5	766.7	72.
11.....	653.8	651.1	645.7	447.7	510.7	523.4	77.	835.2	836.6	839.8	74.5
13.....	655.4	656.8	653.9	549.4	555.4	562.9	80.	830.5	831.	829.3	76.
14.....	669.4	665.	667.	527.5	552.4	582.6	81.	818.2	820.8	822.4	79.
15.....	659.7	661.3	660.3	507.2	502.7	507.7	80.	801.2	802.6	806.	76.8
16.....	658.6	656.9	654.	602.1	603.	607.2	82.	852.3	849.7	847.5	80.
17.....	648.1	649.2	647.5	642.6	719.6	752.9	83.	947.6	956.	964.1	79.5
18.....	653.2	650.6	644.8	704.4	727.2	723.8	84.5	960.4	972.4	973.4	80.
20.....	530.2	531.6	531.3	—480.7	—486.5	—479.8	73.	778.	774.7	766.5	74.
21.....	503.5	503.9	503.2	38.	55.7	58.7	73.	747.5	755.7	752.9	70.
22.....	508.4	508.4	507.3	151.8	134.9	135.4	72.5	777.2	776.	775.5	72.2
23.....	.....	507.5	.....	.....	120.6	.....	78.5	.....	829.6	.....	75.3
24.....	501.5	502.2	501.6	42.6	43.8	43.5	75.	776.4	783.2	790.1	75.
25.....	498.1	500.8	500.9	11.	11.8	19.6	73.2	806.9	792.1	788.6	73.
27.....	504.5	504.3	504.	— 2.9	— 27.6	— 14.8	74.	794.2	798.8	802.5	74.
28.....	511.7	511.8	512.	—138.4	— 89.5	—110.4	76.3	793.7	796.7	799.2	76.5
29.....	510.7	510.5	511.5	15.6	2.5	7.3	80.	811.4	811.	816.4	80.
30.....	507.8	504.9	500.8	.....	40.7	33.	75.5	811.2	822.5	828.9	75.5
31.....	507.6	508.6	507.9	85.2	102.7	100.5	76.	823.2	828.5	836.6	76.

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
Aug. 1	495.7	498.1	495.7	499.	506.	491.4	485 7	482.4	488.7	496.4	497.	496.7	494.4
3	496.1	498.6	495.8	507.7	513.	499.5	482.9	483.8	492.2	497.5	495.9	494.5	496.5
4	498.9	495.7	501.4	511.9	512.2	498.7	481.9	482.2	486.9	494.	495.2	496.5	496.3
5	496.4	497.7	498.5	509.2	513.2	493.	483.9	482.2	486.9	492.2	494.9	495.	495.3
6	497.1	489.4	501.	505.9	510.7	493.1	481.9	487.1	488.1	492.2	493.9	494.3	494.6
7	494.6	497.5	500.6	506.1	515.1	498.	484.1	485.8	494.2	499.5	495.1	495.3	497.2
8	495.7	494.7	501.9	493.9	498.3	472.3	484.4	462.2	477.7	485.1	495.5	495.9	488.1
10	496.2	500.8	500.2	508.	507.8	488.1	476.2	478.	484.8	493.	502.2	496.1	494.3
11	493.6	491.	495.8	507.	508.2	495.3	488.2	484.7	493.9	497.5	492.5	494.3	495.2
12	494.6	495.3	494.9	506.6	504.	485.4	478.7	483.	487.	493.5	493.2	498.	492.8
13	495.2	492.6	499.4	506.5	508.3	494.5	480.1	479.2	487.3	490.	490.1	486.8	492.5
14	492.1	496.8	497.8	507.8	506.9	491.6	476.5	480.5	486.5	488.2	493.4	500.	493.2
15	502.	499.2	492.7	501.9	509.1	492.7	479.3	481.2	489.	494.9	492.8	494.9	494.1
17	494.8	494.4	495.2	506.	509.5	494.8	478.2	480.8	489.3	495.5	492.7	494.3	493.8
18	495.7	496.3	497.1	505.6	509.6	495.5	481.1	481.8	488.7	494.1	493.9	497.1	494.7
19	508.	498.8	506.2	511.5	506.1	485.4	475.4	484.1	471.2	493.6	499.7	544.	498.7
20	504.6	504.6	500.7	507.1	505.9	483.	480.6	480.6	485.9	490.1	497.3	500.	495.
21	496.4	489.	499.	497.7	503.8	483.7	482.4	483.4	487.6	489.8	493.2	500.7	492.1
22	488.4	473.4	504.2	509.7	495.9	476.3	475.2	479.5	488.3	487.1	499.	500.	489.7
24	500.9	482.3	499.9	493.8	508.3	491.8	474.9	480.2	500.1	492.9	542.3	512.4	498.3
25	478.5	502.	500.5	501.5	492.8	480.2	478.7	486.2	486.6	501.9	510.2	496.8	493.
26	507.7	488.8	500.5	508.9	495.4	476.9	480.8	484.2	491.5	502.5	525.4	496.3	496.6
27	486.2	481.5	473.6	503.1	504.5	491.8	479.	473.9	491.6	499.1	510.	494.8	490.8
28	505.3	484.4	495.2	510.2	511.8	496.6	486.9	482.7	491.3	490.8	499.	526.	498.3
29	492.	499.6	512.4	521.9	516.4	485.8	477.7	484.3	490.9	492.5	492.8	492.1	496.5
31	489.	492.7	499.4	502.7	510.4	494.9	478.9	478.1	480.9	487.	487.8	490.9	491.1
Means	496.	493.7	498.4	505.8	507.	489.6	480.5	481.2	488.	493.5	499.	499.3	494.35

Instruments in the observatory. Unit of scale, 0′.453. Increasing readings correspond to decreasing westerly declination.

Göttingen time..... Observatory time...	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.	Reduc'd to 32° Fah.
Aug. 1.....	104.2	147.1	187.5	147.9	152.1	85.9	52.4	22.	48.3	9.7	72.9	116.2	92.7	238.1
3.....	113.8	103.4	141.5	173.	178.4	—103.2	— 85.	—134.6	—148.5	—108.2	—106.6	— 78.1	— 4.9	139.6
4.....	— 40.5	— 89.4	— 70.5	— 4.2	— 28.9	— 97.3	—179.3	—176.	—241.6	—194.1	—255.6	—212.2	— 99.8	46.8
5.....	—128.4	—121.5	— 59.9	—110.1	—151.2	—142.9	—143.6	—215.8	—284.9	—294.9	—269.2	—233.4	—178.8	—27.8
6.....	—157.8	—205.4	— 1.8	101.8	91.	56.7	— 41.8	— 36.3	— 55.2	— 42.3	— 18.7	22.4	— 24.	121.4
7.....	162.8	19.	114.7	154.5	132.	111.4	139.6	120.9	205.2	196.2	291.9	300.3	166.	299.8
8.....	285.7	304.	243.1	328.9	227.4	191.5	162.4	282.1	222.4	190.	155.8	140.2	236.1	360.9
10.....	202.2	313.6	293.3	288.6	246.9	167.8	221.3	175.3	155.1	72.1	112.9	157.3	200.5	327.2
11.....	176.	184.4	261.1	311.1	289.1	201.1	98.5	96.9	75.6	67.	117.3	217.6	174.6	310.3
12.....	181.2	219.3	238.8	300.	297.4	208.5	118.6	74.5	—230.9	—259.	—218.	—247.7	50.4	189.2
13.....	—149.4	— 78.8	— 36.2	— 18.4	— 87.1	— 57.7	— 73.8	— 62.9	— 4.7	— 4.	26.1	52.4	— 40.4	95.9
14.....	37.4	51.8	48.6	88.2	98.6	12.	— 85.3	— 49.5	— 99.6	—190.3	—166.9	—157.8	— 34.3	100.2
15.....	—114.8	— 4.8	33.1	56.	— 40.7	—153.7	—137.1	—172.	—255.7	—248.8	—243.8	—147.3	—117.5	21.6
17.....	9.2	— 21.3	58.7	95.6	— 26.3	— 85.9	—224.1	—208.4	—181.8	—194.7	—197.3	—145 3	— 94.9	41.1
18.....	— 70.7	— 15.7	1.	51.7	59.3	26.	— 35.7	— 62.6	—135.3	—170.4	—189.1	—121.4	— 55.2	76.1
19.....	— 38.6	25.	16.9	89.3	— 79.	—152.1	—177.	—187.	— 61.3	—110.7	— 71.9	—128.3	— 72.9	64.1
20.....	—100.9	— 57.2	63.6	49.7	— 59.9	— 79.	—150.4	—197.9	—234.6	—246.2	—152.5	—113.	—105.6	38.5
21.....	— 86.2	—117.8	— 29.7	— 6.6	— 45.1	— 77.9	—138.4	—112.4	—269.4	—239.1	—204.1	—154.2	—124.3	24.5
22.....	—310.	—207.	9.	25.2	— 89.1	1.3	—118.9	—143.	—222.6	—297.9	—247.2	—257.2	—154.8	— 4.4
24.....	—198.2	—244.9	— 20.2	13.	— 68.9	— 98.6	— 49.3	— 86.8	— 66.4	—122.7	—168.8	—212.2	—110.3	32.3
25.....	— 10.	—117.1	104.5	89.4	— 38.8	14.2	— 55.2	46.2	— 47.5	— 56.3	— 76.6	— 47.	— 15.3	117.9
26.....	—155.7	60.9	33.3	— 42.1	34.2	53.2	73.5	— 2.5	— 36.	— 41.9	— 25.4	21.	— 2.3	121.6
27.....	34.2	20.4	54.6	138.4	38.3	70.7	— 19.	— 17.5	—131.5	— 56.9	— 95.9	— 50.5	— 1.2	126.1
28.....	—131.6	— 60.1	59.1	175.6	120.9	78.3	5.9	— 26.4	.....	— 12.5	— 99.8	—407.5	— 25.3	105.7
29.....	—232.4	—155.8	57.9	69.1	16.2	— 11.6	9.7	— 28.8	— 35.9	—130.	— 97.2	— 63.9	— 51.	86.
31.....	— 0.1	25.8	102.8	91.2	27.7	18.7	— 67.2	— 59.	—110.7	—150.9	—112.5	— 97.2	— 27.6	114.7
Means.....	— 23.8	1.2	77.3	104.2	50.2	9.1	— 34.3	— 37.3	— 80.8	—102.3	— 85.8	— 71.4	— 16.2	.....
Reduced to 32° Fah.	113.5	135.4	208.	233.	180.6	142.5	103.6	104.7	66.2	45.6	59.3	69.9	....	121.7

Instruments in the observatory. Unit of force, .000,016,5. Increase of reading corresponds to increase of force.

Göttingen time .... / Observatory time...	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means.
Aug. 1.....	77.8	77.2	77.	76.	75.7	76.7	79.	81.	81.2	81.8	81.5	79.5	78.6
3.....	78.	78.5	77.5	77.	77.5	77.5	77.5	79.	80.2	80.	79.	77.8	78 3
4.....	77.	76.6	76.	75.7	76.3	77.4	79.	80.8	82.5	83.3	82.	81.	79.
5.....	80.2	79.8	79.	79.	80.	79.	79.6	81.	82.2	83.	82.	79.8	80.4
6.....	78.8	77.4	76.8	75.	75.6	77.	78.6	80.	81.	82.	81.8	79.2	78 6
7.....	79.2	78.3	77.5	76.	75.	75.	74.5	75.	73.	71.5	72.8	70.8	74.9
8.....	70.	69.6	69.2	68.5	70.	71.	73.8	75.8	76.8	76.9	75.	74.	72.
10.....	71.7	69.	68.3	68.	69.3	72.3	74.	74.	75.5	76.7	76.1	76.	72.6
11.....	74.3	73.4	73.7	72.	72.1	74.3	78.4	78.3	78.4	77.8	77.2	76.	75.5
12.....	75.	74.	73.8	73.	72.2	74.	76.	78.	81.	81.	80.5	80.	76.5
13.....	78.6	77.	76.5	75.5	74.5	75.	75.	75.	75.1	75.2	75.	74.5	75.7
14.....	74.5	73.8	73.8	72.2	72.	73.	74.3	75.3	77.8	78.8	78.5	76.8	75 1
15.....	76.3	75.	74.	73.3	74.4	75.1	76.	78.2	80.2	80.9	79.5	76.8	76.6
17.....	74.2	73.2	73.4	71.7	73.2	74.7	76.	78.	79.3	78.8	78.	76.8	75.6
18.....	74.	73.4	73.3	71.	70.6	71.5	72.8	74 2	76.8	78.	77.	76.2	74.1
19.....	75.	74.	73.	71.8	73.5	74.8	76.8	73.	80.6	81.5	79.5	77.8	75.9
20.....	76.	75.2	74.5	74.	75.6	76.8	78.	81.	83.	83.	81.	80.5	78.2
21.....	79.	77.6	76.4	75.2	76.3	77.8	80.5	81.7	83.8	84.	82.8	80.5	79.7
22.....	79.7	78.4	77.	76.5	76.	77.3	79.2	82.6	83.3	85.2	84.5	83.	80.2
24.....	79.2	77.3	76.3	75.	75.8	75.9	76.7	78.	79.8	80.7	81.	77.	77.7
25.....	75.4	74.2	72.7	72.6	74.2	74.1	74.4	75.6	76.8	76.7	75.	74.5	74.7
26.....	72.6	72.	69.4	67.7	69.5	70.	71.4	73.	75.	75.	72.	73.2	71.7
27.....	72.	70.6	69.4	68.7	69.2	70.5	72.6	74.2	76.8	76.8	76.9	76.	72.8
28.....	74.2	73.1	71.7	71.	70.6	72.2	74.	75.2	–	77.8	77.5	77.	74.
29.....	76.	75.7	74.	74.	74.9	74.5	75.7	77.2	78.	78.2	77.8	77.	75.9
31.....	76.6	76.4	75.2	75.5	75.6	76.4	78.4	79.9	80.7	80.6	78.8	77.2	77.6
	76.	75.	73.9	73.3	73.8	74.8	76.2	77.5	79.1	79.4	78.6	77.3	76.2

Degrees Fahrenheit. Correction for temperature as before.

Göttingen time.. Observatory time	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
Aug. 1.....	796.7	803.1	798.3	804.5	810.7	854.1	823.	805.1	818.6	832.9	824.3	826.3	816.5	668.
3.....	789.6	799.4	789.	786.7	825.5	847.9	828.2	794.4	797.7	800.1	796.1	795.6	804.2	657.
4.....	791.	771.4	771.	770.3	808.9	829.2	816.7	823.2	824.6	817.1	814.1	802.4	803.3	654.2
5.....	807.5	797.8	798.8	795.1	809.9	815.3	808.7	828.4	822.5	820.3	812.2	819.2	811.3	657.7
6.....	808.9	797.4	797.3	796.3	825.7	841.	798.2	806.3	825.4	813.4	815.4	823.9	809.9	662.1
7.....	814.3	802.6	805.6	810.7	839.	847.1	830.1	803.4	774.2	792.3	782.5	791.3	807.8	673.4
8.....	776.7	773.8	754.5	788.5	764.1	772.4	813.8	771.6	789.2	865.7	845.1	830.5	795.5	668.5
10.....	811.4	799.8	794.	783.9	821.3	837.3	805.3	779.1	783.4	810.4	819.2	823.2	805.7	678.3
11.....	820.1	812.3	816.7	802.8	817.5	842.8	829.9	853.2	827.	803.9	816.9	810.9	820.9	685.5
12.....	805.9	803.7	802.5	785.8	825.	827.3	805.2	788.1	823.9	826.3	827.7	848.	814.1	673.
13.....	850.4	814.6	818.6	820.7	864 4	858.9	819.7	812.2	762.2	805.8	813.	815.8	821.4	683.8
14.....	788.3	799.1	794.1	795.8	830.7	854.4	827.9	789.5	787.7	822.3	836.6	859.8	815.5	679.8
15.....	816.4	825.1	838.6	823.1	843.5	854.5	825.6	793.9	807.8	827.2	835.3	830.8	826.8	685.4
17.....	803.5	807.1	804.1	795.7	830.2	867.6	854.8	810.	800.2	816.4	813.6	819.6	818.6	679.4
18.....	808.3	804.6	801.2	793.5	831.5	844.5	830.1	809.1	811.5	817.6	816.3	817.5	815.5	682.7
19.....	811.1	807.8	817.6	795.	898.7	823.9	811.3	826 5	873.9	874.6	941.5	925.8	850.6	710.1
20.....	909.8	856.	832.8	836.2	879.3	938.7	884.2	875.7	881.2	.....	871.	873.7	876.2	730.3
21.....	865.7	866.	853.3	860.8	881.8	884.3	881.7	868.7	842.8	892.1	896.5	876.7	872.5	721.1
22.....	953.1	891.2	859.6	864.7	914.	911.3	913.6	891.8	873.4	868.2	880.7	901.8	893.6	758.6
24.....	919.1	861.4	870.8	859.	896.6	911.1	961.2	871.7	849.4	910.	828.3	905.1	887.	742.4
25.....	874.4	899.6	857.5	844.	914.2	935.9	853.6	870.5	871.4	850.8	848.4	848.6	872.4	738.
26.....	829.5	834.4	834.9	816.5	874.4	887.7	859.8	831.7	840.	863.3	783.3	803.8	838.3	714.1
27.....	776.4	784 7	825.3	781.5	829.4	836.9	.....	.....	.....	898.2	866.7	845 1	827.1	701.3
28.....	878.8	852.3	840.	844.5	883.	892.7	895.5	846.8	829.4	901.6	895.4	929.2	874.1	740.7
29.....	1015.8	896.7	943.	923.2	922.4	924.5	889.9	855.3	860.	905.9	880.8	884.1	908.5	771.5
31.....	887.7	877.3	872.	878.9	928.	942.8	933.1	830.2	866.5	861.1	867.4	853.8	883.2	737.6
Means	838.9	824.6	822.8	817.6	852.7	864.8	848.	825.4	825.7	843.9	839.6	844.7	837.41	.....
Reduced to 32° F.	701.	690.5	692.2	689.0	720.2	728.8	706.2	678.5	675.	692.9	692.1	701.7	.....	698.11

As before.

Note.—On the 27th day, at 12*h.* 22*m.*, the mirror was accidentally deranged. The observed numbers from this date to September 22, at 12*h.* 22*m.*, have been brought to a comparison with the former numbers by the mean positions of the needle for 6 previous days, (in some cases 7,) and by the hours from 0*h.* 22*m.* to 22*h.* 22*m.*, inclusive. Probable error, 3.3 divisions.

Göttingen time.. Observatory time.	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.
Aug. 1.....	77.	76.3	75.9	75.1	75.3	76.7	78.5	80.5	81.5	82.5	81.8	80.1	78.4
3.....	78.	77.2	76.7	76.6	77.	77.	77.5	79.5	80.2	79.8	78.8	77.6	78.
4.....	76.5	75.8	74.9	74.5	76.4	77.8	79.3	81.2	82.7	82.4	81.9	80.5	78.6
5.....	79.1	78.3	78.	78.2	79.7	80.	80.	81.	82.4	83.	81.	79.5	80.
6.....	77.8	76.3	74.9	74.	75.5	77.2	79.	80.6	81.3	82.1	80.5	79.1	78.2
7.....	78.3	77.4	76.5	75.1	78.	74.	73.8	73.	71.9	70.9	69.9	69.	74.
8.....	68.7	67.2	66.7	67.3	69.3	71.	73.6	75.2	76.5	77.	75.2	73.3	71.7
10.....	70.9	68.5	67.2	66.9	69.	70.	72.	74.	75.7	77.	76.	74.6	71.8
11.....	73.	72.1	71.4	70.9	71.8	74.	77.	78.7	78.8	77.7	76.9	75.6	74.3
12.....	74.1	73.	72.	70.8	71.8	74.	76.2	79.1	81.1	80.9	80.2	79.6	76.1
13.....	78.	76.6	75.4	74.7	74.	74.6	75.1	75.	74.3	74.2	73.8	74.1	75.
14.....	73.4	72.9	71.8	71.1	70.4	72.6	74.	75.6	77.4	78.9	77.9	76.8	74.4
15.....	75.8	74.1	72.9	72.2	63.9	75.	76 2	78.2	80.2	80.6	79.2	76.8	76.2
17.....	73.5	72.2	71.2	71.	73.	74.8	76.8	78.8	79.9	79.8	79.7	75.9	75.5
18.....	73.5	71.8	70.5	69.9	69.9	71.	72.6	74.3	77.	78.3	77.2	75.8	73.5
19.....	74.1	73.1	72.	71.	73.1	74.7	77.	78.7	80.4	81.	79.2	77.	75.9
20.....	75.7	74.7	73.6	73.1	75.3	77.	79.4	81.	83.	....	81.	79.9	77.6
21.....	78.4	77.	75.5	74.4	76.2	77.4	80.1	82.1	83.9	84.1	82.2	80.8	79.3
22.....	79.2	78.	76.7	75.9	76.	77.5	79.4	81.9	84.2	85.3	83.9	82.3	74.2
24.....	78.9	76.9	75.4	74.	75.3	75.7	76.6	77.9	79.2	80.7	79.	77.1	77.2
25.....	75.	73.2	71.8	71.5	73.3	73.5	74.2	75.4	76.	76.	74.6	73	74.
26.....	71.3	69.7	68	66.6	68.8	69.4	70.6	72.5	74.3	74.6	72.2	72.2	70.8
27.....	70.9	69.5	68.1	67.2	68.4	70.1	....	....	....	76.8	76.1	74.9	71.3
28.....	73.2	71.9	70.7	70.	70.1	72.2	74.5	75.5	77.	78.	76.6	75.2	73.7
29.....	73.4	72.2	71.1	71.7	72.1	74.	76.	77.5	78.2	78.2	76.5	76.4	74.8
31.....	76.1	75.	74.5	74.5	75.8	76.6	78.9	80.	81.5	81.1	79.2	76.9	77.5
Means.....	75.1	73.9	72.8	72.2	73.4	74.5	76.3	77.9	79.1	79.2	78 1	76.7	75.53

Degrees Fahrenheit. Corrections for temperature as before.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 52½	h. m. 14 00	h. m. 14 07½	h. m. 13 50	h. m. 13 57½	h. m. 14 05	Temperature Fahrenheit.	h. m. 13 55	h. m. 14 02½	h. m. 14 10	Temperature Fahrenheit.
Observatory time...	8 12	8 19½	8 27	8 09½	8 17	8 24½		8 14½	8 22	8 29½	
Aug. 1.....	506.2	506.	505.4	180.6	152.1	144.7	75.7	809.4	810.7	810.7	75 3
3.....	512.6	513.	511.9	171.6	178.4	180.9	77.5	823.2	825.5	828.7	77.
4.....	512.9	512.2	511.8	— 42.1	— 28.9	— 10.	76.3	806.6	808.9	809.6	76.3
5.....	513.7	513.2	511.4	—150.9	—151.2	—160.9	80.	808.4	809.9	813.4	79.7
6.....	518.7	510.7	510.	84.3	91.	97.1	75.9	824.	825.7	828.4	75.5
7.....	514.9	515.1	513.4	154.1	132.	120.8	75.	840.8	839.	839.3	78.
8.....	495.5	498.3	498.3	278.4	227.4	270.4	70.	756.5	764.1	775.3	69.4
10.....	507.8	507.8	507.	256.5	246.9	283.	69.3	816.2	821.3	824.4	69.
11.....	507.8	508.2	508.4	305.8	289.1	292.8	72.1	811.9	817.5	818.3	71.7
12.....	507.2	504.	505.6	266.7	297.4	280.5	72.2	826.2	825.1	824.	71.8
13.....	509.8	508.3	508.	— 22.	— 87.1	— 83.1	74.5	860.2	864.4	864.6	74.
14.....	506.7	506.9	505.2	85.	98.6	93.7	72.	829.5	830.7	832.3	70.5
15.....	512.6	509.1	513.2	28.1	— 40.7	— 52.4	74.4	834.7	843.5	847.2	73.9
17.....	510.4	509.5	508.9	— 3.8	— 26.3	— 19.3	73.2	825.9	830.2	832.3	73.
18.....	509.3	509.6	508.1	70.8	59.3	73.4	70.6	828.4	831.5	833.8	70.
19.....	509.2	506.1	502.8	— 28.6	— 79.	— 18.3	73.5	889.2	898.7	912.7	73.2
20.....	506.9	505.9	506.4	— 95.3	— 59.9	— 88.6	75.6	883.2	879.3	883.1	75.4
21.....	503.7	503.8	502.3	— 32.6	— 45.1	— 66.4	76.3	876.8	881.8	890.4	76.2
22.....	495.5	495.9	498.8	— 61.	— 89.1	13.3	76.	913.2	914.	933.6	76.
24.....	508.7	508.3	502.8	— 40.2	— 68.9	— 43.5	75.8	897.2	896.6	882.1	75.3
25.....	495.9	492.8	485.7	13.9	— 38.8	— 45.7	74.2	907.3	914.2	919.3	73.3
26.....	501.3	495.4	495.8	40.8	34.2	49.1	69.5	873.1	874.4	887.1	68.8
27.....	503.8	504.5	505.4	122.6	38.3	91.4	69.2	825.	829.4	831.6	68.4
28.....	514.	511.8	509.8	87.3	120.9	145.8	70.6	887.3	883.	891.3	70.1
29.....	.....	516.4	.....	....	16.2	....	74.9	....	922.4	.....	72.1
31.....	511.4	510.4	510.1	42.7	27.7	49.3	75.6	925.7	928.	930.	75.8

Göttingen time..... Observatory time ...	h. m. 6 00 0 19½	h. m. 8 00 2 19½	h. m. 10 00 4 19½	h. m. 12 00 6 19½	h. m. 14 00 8 19½	h. m. 16 00 10 19½	h. m. 18 00 12 19½	h. m. 20 00 14 19½	h. m. 22 00 16 19½	h. m. 0 00 18 19½	h. m. 2 00 20 19½	h. m. 4 00 22 19½	Means.
Sept. 1.....	492.3	512.4	505.7	504.5	500.	486.	482.	477.3	486.7	*	492.9	501.	494.6
2.....	494.	494.2	495.8	506.	508.5	496.2	483.6	482.	486.7	491.9	494.	494.9	494.
3.....	499.5	500.6	491.5	508.2	512.2	491.9	474.	486.5	494.	494.2	495.8	493.7	495.2
4.....	493.	496.5	501.1	508.	508.5	492.1	479.4	482.8	492.3	491.	492.	495.	494.3
5.....	493.9	497.	501.7	511.4	509.7	487.5	475.8	477.7	491.1	491.2	491.	491.	493 2
7.....	507.4	500.3	501.4	513.5	505.2	490.7	479.8	479.1	492.2	490.5	492.	494.1	495.5
8.....	495.4	497.2	492.1	512.5	507.3	487.2	486.	481.1	487.5	491.	494.9	494.8	493.9
9.....	495.3	496.3	497.9	506.6	506.3	492.	483.8	485.7	490.8	494.	494.9	494.	494.8
10.....	500.6	501.5	500.4	507.6	512.1	490.1	475.4	479.6	500.2	493.8	494.2	492.8	495.7
11.....	495.7	495.8	497.	503.6	508.	493.3	473.8	478.3	489.2	493.7	495.9	493.1	493.1
12.....	490.4	493.6	498.2	501.4	503.2	487.8	473.8	479.9	489.3	491.5	487.9	493.9	491.1
14.....	490.7	494.3	497.2	504.1	507.3	494.1	478.7	475.	475.1	489.1	490.1	497.	491.1
15.....	494.2	493.1	495.7	503.2	506.1	492.2	477.1	476.9	487.6	488.7	492.3	493.6	491.7
16.....	491.8	498.	498.3	507.5	504.3	494.1	479.	471.4	477.8	487.7	490.4	498.1	491.5
17.....	523.1	507.4	498.7	506.5	504.7	491.8	477.1	474.	492.9	487.3	488.2	490.	495.1
18.....	510.6	491.1	496.1	490.8	494.6	487.1	478.5	479.9	486.5	490.5	492.4	488.9	490.6
19.....	487.2	495.2	496.3	498.7	493.8	489.	479.8	481.	485 3	486.	489.1	490.1	489.3
21.....	489.1	492.	510.7	498.9	487.3	480.6	473.	483.1	489.3	485.6	533.	482.9	492.1
22.....	482.4	509.5	473.4	501.6	481.9	475.9	462.7	492.4	†511.3	482.	489.4	498.6	488.4
23.....	491.4	489.9	481.1	497.9	492.1	474.9	475.5	485.9	507.2	480.6	502.9	481.	488.4
24.....	485.2	483.5	472.6	476.7	488.1	471.	474.2	477.8	488.1	496.6	533.3	472.9	485.
25.....	490.8	489.3	487.9	484.9	480.8	475.5	475.	481.7	487.9	488.	490.8	488.5	485.1
26.....	481.7	484.8	482.7	490.9	492.9	478.	469.9	480.	485.	490.4	487.6	485.2	484.1
28.....	486.8	499.2	497.3	498.1	497.7	488.4	478.2	476.1	484.9	488.1	490.8	487.8	489.4
29.....	487.	488.9	490	490.8	488.5	494.6	482.2	475.1	481.	485.3	503.1	498.3	488.7
30.....	497.5	492.7	481.6	495.8	500.4	489.5	474.8	473.	476.8	480.4	530.6	487.9	490.1
Means.....	494.1	495.9	493.9	501.1	500.1	487.4	477.1	479.7	489.1	489.2	497.3	491.5	491.38

As before.

* At 18*h*. 34½*m*., observation 492.3.

† Four minutes late.

Göttingen time.. Observatory time	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.	Reduced to 32° F.
Sept. 1.....	— 42.	11.7	— 1.8	139.7	— 10.7	— 51.3	— 55.5	— 36.4	— 69.3	—120.2	— 78.7	0.1	— 26.2	99.2
2.....	— 8.1	84.7	102.1	145.4	82.5	10.3	—183.7	—157.7	—211.6	—187.3	—154.9	—154.9	— 52.8	76.7
3.....	— 68.6	— 65.4	— 8.9	18.6	0.4	2.3	— 1.8	— 7 5	— 34.3	17.5	— 21.8	101.7	— 5.6	117.
4.....	142.	141.3	150.2	218.	191.	189.3	173 2	161.5	204.4	190.8	151.6	164.6	173.2	276.2
5.....	199.9	260.6	264.8	232.9	238.3	283.2	288.4	305.8	333.6	268	282.5	297.1	271.3	368.
7.....	195.6	236.4	238.3	273.5	148.2	136.6	18.1	13.5	— 11.9	— 58.1	— 61.	— 41.4	90.6	203.8
8.....	7.	59.4	64.4	96.2	107.7	85.4	82.8	— 33.4	— 67.6	— 98.2	— 86.	— 40.8	14.7	133.6
9.....	— 3.3	104.7	78.1	123.1	97.3	91.3	— 5.7	— 24.6	— 75.9	— 98.4	— 52.5	— 17.2	18.1	141.
10.....	— 20.1	— 19.7	115.	143.5	49.1	23.1	— 54.1	— 91.8	— 84.8	13.8	— 2.3	48.9	10.	134.5
11.....	3.5	117.8	181.4	151.7	87.2	142.3	131.9	110.5	113.3	161.7	203.2	228.4	136.1	240.7
12.....	149.6	250.8	295.1	336.1	262.8	242.6	197.6	194.6	161.7	170.9	187.2	237.6	195.4	285.9
14.....	231.4	257.2	278.2	378.7	210.5	153.8	78.4	47.3	20.7	19.3	— 1.4	— 2.3	139.3	237.9
15.....	— 50.6	140.	216.4	236.4	137.2	128.7	4.5	— 57.7	—114.4	—138.4	—113.3	— 60.8	27.3	135.6
16.....	— 97.	— 55.2	73.	105.8	101.2	13.9	47.4	—117.	—204.3	—241.2	—230.8	—208.9	— 67.8	43.9
17.....	—293.6	—120.1	— 42.7	44.3	35.5	50.5	— 67.	— 50.9	46.1	— 5.2	— 3.2	— 10.	— 34.7	82.7
18.....	—159.1	—134.9	66.1	18.8	48.9	50.8	124.3	196.5	261.3	259.5	278.2	249.	104.9	213.5
19.....	224.1	269.8	323.1	331.9	238.4	262.3	215.5	244.2	190.9	220.3	209.8	216.7	245.6	340.8
21.....	282.4	304.6	93.8	— 56.8	174.6	248.8	343.	377.2	444.6	389.8	355.2	335.2	274.4	366.1
22.....	66.	83.1	208.1	383.1	336.5	394.7	439.9	446.2	383.6	344.8	320.3	313	309.9	384.2
23.....	246.7	291.2	312.9	416.7	532.2	535.	440.9	394.	301.9	165.7	63.3	146.2	320.6	405.1
24.....	75.	179.	32.3	2.8	156.1	156.2	98.3	95.7	— 13.5	51.2	32.5	37.3	75.2	179.8
25.....	227.1	59.9	164.2	271.	229.9	218.9	142.8	143.2	91.8	59.2	145.7	98.6	154.4	253.6
26.....	210.9	212.1	262.5	284.	303.3	243.3	147.8	147.3	90.4	42.3	23.5	180.4	179.	276.3
28.....	256.2	291.7	310.5	394.5	349.1	334.4	246.3	247.	174.3	191.2	229.	251.3	273.	361.
29.....	258.1	325.5	337.4	412.7	385.1	308.3	203.4	173.2	184.1	143.5	120.1	173 3	252.1	340.7
30.....	205.1	238.1	322.9	326.	311.6	332.	216.2	165.8	49.3	65.3	102.9	46.6	198.5	294.
Means.....	86.1	135.5	170.7	208.8	184.8	176.4	125.9	111.	83.2	57.2	73.	99.6	126.02	.....
Reduced to 32° F.	191.9	237.2	268.	303.3	282.4	275.6	230.5	219.6	195.5	170.1	183.8	207.9	.....	230.48

As before.

Göttingen time / Observatory time	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means.
Sept. 1	75.8	73.	72.6	69.3	71.8	71.9	72.4	73.7	75.	75.	74.2	72.	72.2
2	71.7	70.3	69.	68.	70.	70.7	75.3	76.	77.6	78.6	77.7	76.8	73.5
3	75.4	74.2	73.	72.	70.8	69.8	70.3	70.8	70.8	70.	69.5	69.	71.3
4	67.8	66.4	65.	63.7	63.8	63.9	63.8	65.	65.5	65.6	65.3	64.8	65.
5	64.4	63.7	63.2	63.	62.4	62.4	62.6	63.	62.7	62.8	62.7	62.8	63.
7	65.	64.7	63.7	62.8	65.6	65.7	68.2	70.6	72.4	74.	73.1	74.	68.3
8	70.4	68.7	67.	65.8	66.7	68.	70.6	72.	74.5	74.	72.8	71.	70.1
9	70.3	69.5	68.9	69.6	68.4	69.5	71.	73.	74.3	75.	73.7	73.2	71.4
10	72.8	72.	71.7	71.	71.	72.	73.	73.5	73.2	72.3	71.	69.4	71.9
11	68.3	66.6	65.	63.8	66.3	66.5	65.5	65.7	65.6	65.4	64.5	63.4	65.5
12	62.	60.6	58.8	57.4	60.5	59.7	60.7	61.8	63.6	63.4	63.	61.	61.
14	61.8	60.8	59.4	58.6	62.	61.5	63.5	65.5	67.	68.1	67.8	66.7	63.6
15	65.4	63.5	61.	59.8	63.	63.5	67.5	69.4	71.6	73.	72.	70.4	66.7
16	69.	65.	61.4	60.5	66.	67.	69.5	72.	70.3	70.2	69.8	73.	67.8
17	70.8	69.3	68.5	66.2	66.	67.	70.5	71.	72.4	72.2	71.2	70.7	69.6
18	70.2	69.5	68.2	68.	68.7	68.	67.	66.2	65.6	64.6	63.	63.	66.8
19	62.2	61.7	60.5	59.8	62.4	61.5	62.5	64.	64.5	64.2	64.	63.	62.5
21	64.2	63.2	62.	60.7	63.	60.7	61.	61.	61.	61.	60.8	58.4	61.4
22	57.2	55.	53.2	52.2	55.	54.	54.6	56.	58.1	59.2	58.4	56.8	55.8
23	54.8	54.	52.8	53.8	55.	55.	58.	61.	64.3	66.7	67.1	67.	59.1
24	65.6	64.6	63.6	62.6	62.5	62.8	65.2	67.5	69.8	67.8	67.4	66.2	65.5
25	63.	62.3	61.	60.	60.6	62.	65.	66.	67.6	67.3	66.3	65.	63.8
26	63.4	61.8	60.	58.7	60.	60.4	63.	65.	67.2	67.2	66.5	65.2	63.2
28	61.	59.8	58.2	57.	57.5	58.	60.	61.8	62.9	63.2	62.5	61.	60.2
29	59.7	58.3	57.2	56.	57.2	58.	60.	62.5	64.3	64.5	64.	63.	60.4
30	60.8	59.9	59.4	58.8	59.2	60.2	62.	64.	66.	67.	67.	67.2	62.6
Means	65.9	64.6	63.2	62.3	63.3	63.8	65.5	66.8	68.	68.2	67.5	66.7	65.48

Degrees Fahrenheit.

Göttingen time.. Observatory time.	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
Sept. 1.....	852.6	825.5	844.4	838.3	842.4	886.6	889.	863.3	842.	854.5	868.	885.9	857.7	727.5
2.....	856.2	845.1	837.9	835.3	873.8	899.6	901.2	874.4	864.	870.6	864.9	861.3	865.4	734.2
3.....	874.3	874.1	859.3	846.6	883.1	897.9	861.7	852.	846.9	837.9	834.	823.5	857.6	734.1
4.....	817.5	810.6	804.3	805.7	848.3	868.3	833.8	784.8	791.4	793.	801.5	809.3	814.	711.
5.....	807.1	803.2	800.7	808.2	856.2	860.3	833.2	835.8	816.7	816.8	811.7	825.3	822.9	726.3
7.....	827.4	827.	816.	832.5	867.8	903.	880.	848.5	845.2	869.6	863.1	858.5	853.2	738.
8.....	850.8	843.4	844.3	829.	860.8	904.	867.2	875.9	887.7	873.1	868.3	854.7	863.3	743.3
9.....	855.5	850.4	849.1	848.3	871.9	879.3	873.4	849.2	869.5	856.3	873.5	860.2	861.4	737.9
10.....	858.5	865.2	850.7	846.	898.7	932.1	887.8	847.9	849.1	850.8	846.	839.5	864.4	738.6
11.....	829.1	847.7	817.3	810.9	856.6	871.9	854.7	809.3	840.7	811.2	815.7	822.1	832.3	716.8
12.....	788.5	800.2	785.	787.3	824.9	868.	817.3	791.1	797.2	810.1	821.7	822.8	809.5	719.6
14.....	821.5	812.2	819.2	809.3	848.1	885.8	875.	842.8	842.3	848.3	869.6	872.6	845.6	747.
15.....	853.3	828.3	825.4	817.7	858.5	881.2	877.	851.2	851.7	866.7	863.4	857.3	852.6	744.1
16.....	852.1	855.1	833.2	837.7	876.9	884.5	906.	928.7	891.7	870.	858.8	938.5	877.8	757.8
17.....	954.1	885.8	853.7	848.6	876.6	900.1	928.8	882.3	893.8	872.2	867.5	865.6	885.8	767.7
18.....	919.4	864.6	851.4	862.2	880.5	910.7	897.4	848.4	842.8	828.6	843.1	823.8	864.4	755.
19.....	844.2	825.5	813.7	795.3	821.	845.	852.	825.4	811.3	838.5	825.5	835.3	827.7	733.3
21.....	830.8	818.4	816.2	840.1	890.8	1015.2	960.1	855.	908.2	889.8	912.3	874.4	884.2	793.6
22.....	927.8	947.3	906.4	842.7	881.	899.5	939.	1025.5	933.6	861.7	813.6	842.	901.7	829.1
23.....	834.5	834.7	870.4	820.2	866.7	909.4	893.9	844.9	841.7	873.4	838.4	838.8	855.6	773.4
24.....	880.8	846.4	877.5	853.6	883.9	927.6	877.9	864.3	878.7	868.9	890.9	851.3	875.1	773.7
25.....	857.5	805.4	833.	860.5	861.4	913.8	885.5	852.2	859.2	864.2	870.	824.5	857.3	757.8
26.....	852.1	831.9	831.2	828.3	875.2	897.	852.7	832.5	860.6	863.	854.1	849.5	852.3	754.1
28.....	831.3	844.7	815.7	812.9	809.2	848.9	838.7	825.8	805.4	837.	854.4	827.1	829.3	741.
29.....	822.2	808.7	800.2	800.3	798.2	841.8	858.5	855.3	814.8	831.8	871.9	858.3	830.2	741.2
30.....	850.	816.1	799.	799.8	830.2	868.3	855.3	832.	835.6	892.1	906.7	857.9	845.2	748.2
Means.....	851.9	839.1	832.9	827.6	859.3	892.3	876.8	853.8	850.8	851.9	854.2	849.2	853.32	.....
Reduced to 32° F.	748.9	738.	735.9	732.6	761.1	792.8	771.5	742.4	735.	736.7	741.6	739.8	.....	747.85

As before.

NOTE.—The observed numbers from the 1st day to the 22d, at 12*h.* 22*m.*, inclusive, have been corrected. On the 22d, the instrument was readjusted. See note to horizontal force for August, 1840, p. 20.

Göttingen time..... Observatory time...	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.
Sept. 1.....	74.9	72.7	69.9	70.2	71.4	71.2	72.	73 8	75.	75.	73.6	72.2	72.7
2.....	70.6	69.	68.	67.8	69.8	70.5	74.2	75.8	78.	78.6	77.5	76.4	73.
3.....	74.3	73.1	71.9	70.7	70.	69.3	70.	70.5	70.5	70.	68.9	68.	70.6
4.....	66.4	65.2	63.5	62.9	63 1	63.	63.6	64.5	65.3	64.7	64.4	63.4	64.2
5.....	63.5	62.5	62.	61.8	61.8	61.9	62.2	62.6	62.4	62.4	61.6	61.2	62.2
7.....	65.6	63.9	62.8	62.4	65.8	65.6	68.5	70.3	72.8	73.5	72.	71.4	68.
8.....	69.5	67.7	66.	65.6	66.	67.	70.	71.7	74.	73.7	72.2	70.8	69.5
9.....	69.6	68.3	67.9	67.3	68.	69.	70.5	73.	74.6	73.8	73.4	72.3	70.6
10.....	71.9	71.1	69.4	70.3	70.6	71.5	73.	73.5	73.1	71.6	70.2	69.	71.3
11.....	67.2	65.5	64.	63.2	66.	64.8	65.	65.3	75.6	74.5	73.5	72.1	68.1
12.....	60.8	59.2	57.6	56.9	60.	59.	60.	60.8	61.8	62.5	62.	60.8	60.1
14.....	60.9	59.9	58.6	57.5	61.4	61.	63.	65.	67.	67.	66.8	65.7	62.8
15.....	64.2	61.9	60.2	59.8	62.5	63.	66.5	69.	71.9	72.	71.	69.4	65.9
16.....	68.1	66.9	65.6	64.9	65.	66.5	69.	71.5	75.	74.9	73.7	72.6	69.5
17.....	70.1	68.	66.4	65.8	65.	66.5	69.5	71.	72.3	71.5	70.3	70.	68.9
18.....	69.	68.6	68.2	68.	67.8	67.4	66.5	65.6	64.5	63.5	62.8	62.3	66.2
19.....	61.6	60.6	59.6	59.2	60.5	60.5	62.	63.	63.5	63.2	62.8	62.	61.5
21.....	63.3	62.3	61.1	60.5	60.5	59.5	59.7	60.	60.3	59.8	59.	57.7	60.3
22.....	55.5	53.7	52.6	51.7	52.5	52.3	53.	56.3	57.9	57.3	57.5	56.	54.7
23.....	54.	52.9	51.6	51.5	53.	54.	57.5	60.5	63.9	65.	64.9	64.	57.7
24.....	63.	61.9	60.6	60.1	60.	61.2	64.	66.5	68.1	67.2	66.6	65.1	63.7
25.....	62.7	61.2	60.	59.1	59.5	61.	64.	65.5	67.2	66.7	65.6	64.6	63.1
26.....	62.4	60.7	59.1	57.7	59.	59.8	62.	69.2	66.3	66.5	65.5	64.4	62.7
28.....	60.4	59.	57.5	56.2	55.4	56.9	59.2	65.	62.	61.2	61.5	60.6	59.6
29.....	59.	57.8	56.3	55.1	56.3	57.5	60.	62.3	64.	63.9	63.	62.4	59.8
30.....	60.2	59.1	58.3	57.8	59.8	60.	62.	64.	66.	66.9	66.8	66.6	62.3
Means.....	64.2	63.6	62.3	61.7	62.7	63.1	64.9	66.8	68.2	68.	67.2	66.2	64.96

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	Temperature Fahrenheit.	h. m.	h. m.	h. m.	Temperature Fahrenheit.
Göttingen time.....	13 52½	14 00	14 07½	13 50	13 57½	14 05		13 55	14 02½	14 10	
Observatory time...	8 12	8 19½	8 27	8 09½	8 17	8 24½		8 14½	8 22	8 29½	
Sept. 1.....	499.4	500.	501.4	— 7.7	— 10.7	— 16.4	72.	836.6	842.4	837.7	71.3
2.....	508.2	508.5	508.1	13.1	82.5	10.3	70.3	871.4	873.8	883.3	69.8
3.....	510.1	512.2	510.7	— 9.1	0.4	— 3.5	71.8	877.4	883.1	886.3	70.
4.....	508.3	508.5	507.5	231.	191.	200.6	64.	847.8	848.3	851.8	63.1
5.....	516.5	509.7	508.7	256.5	238.3	267.2	63.	852.4	856.1	858.4	61.8
7.....	506.5	505.2	507.	149.4	148.2	144.3	65.9	863.9	867.8	865.7	65.7
8.....	510.	507.3	506.3	121.2	107.7	167.	67.7	860.9	860.8	862.8	66.
9.....	507.	506.3	505.6	108.3	97.3	104.6	69.	869.6	871.9	873.9	68.
10.....	513.4	512.1	511.5	78.8	49.1	86.6	71.5	894.3	898.7	901.2	70.6
11.....	509.1	508.	504.8	93.6	87.2	122.3	66.	854.5	856.6	851.6	66.
12.....	503.	503.2	504.3	248.1	262.8	238.6	60.5	825.	824.9	827.2	60.
14.....	513.	507.3	507.	174.3	210.5	195.3	62.	844.8	848.1	850.	61.4
15.....	506.	506.1	506.	129.7	137.2	169.2	63.	855.7	858.5	860.9	62.5
16.....	505.3	504.3	503.5	124.4	101.2	75.9	66.	875.3	876.9	876.7	65.
17.....	505.1	504.7	503.2	46.5	38.	33.6	66.	874.1	876.6	878.	65.
18.....	495.8	494.6	494.	52.9	48.9	63.5	68.7	876.6	880.5	880.6	67.8
19.....	493.8	493.8	493.4	259.2	238.4	260.6	62.4	813.0	821.	822.1	60.5
21.	491.1	487.3	483.	162.6	174.6	176.9	63.	876.4	890.8	907.5	60.5
22.....	488.4	481.9	480.3	372.8	336.5	350.5	55.	882.2	881.	898.4	52.5
23.....	491.6	492.1	488.3	361.5	532.2	495.	55.	858.2	866.7	875.1	53.
24.....	.....	488.1	.....	.....	156.1	.....	62.5	.....	883.9	.....	60.
25.....	483.5	480.8	479.9	198.4	229.9	245.8	60.6	858.4	861.4	861.4	59.5
26.....	495.4	492.9	490.4	294.4	303.3	269.5	60.	877.2	875.2	878.	59.
28.....	498.9	497.7	496.9	367.	349.1	387.9	57.5	809.8	809.2	810.7	55.4
29.....	488.5	488.5	490.	307.4	385.1	351.4	57.2	795.	798.2	798.6	56.3
30.....	502.	500.4	499.9	343.4	311.6	301.1	59.2	828.	830.2	831.8	59.8

Göttingen time.. Observatory time.	h. m. 6 00 0 19½	h. m. 8 00 2 19½	h. m. 10 00 4 19½	h. m. 12 00 6 19½	h. m. 14 00 8 19½	h. m. 16 00 10 19½	h. m. 18 00 12 19½	h. m. 20 00 14 19½	h. m. 22 00 16 19½	h. m. 0 00 18 19½	h. m. 2 00 20 19½	h. m. 4 00 22 19½	Means.
Oct. 1	488.1	488.6	485.	486.5	494.9	484.5	478.3	481.9	486.6	488.1	494.4	492.5	487.4
2	493.7	489.4	492.4	497.2	487.6	487.6	481.9	479.9	482.9	488.5	491.6	496.1	489.1
3	490.8	492.	492.4	493.	497.	489.9	481.6	483.	482.4	491.4	490.2	492.7	489.7
5	492.2	494.5	494.8	494.2	501.6	492.7	482.9	484.4	486.6	485.7	489.5	491.8	490.9
6	496.6	498.6	497.2	495.9	487.3	476.2	483.	481.9	484.8	488.4	487.1	493.4	489.2
7	495.	492.4	493.4	489.	494.5	494.	485.5	485.4	486.4	486.	488.	495.7	490.4
8	491.8	491.4	491.9	491.8	495.	489.4	480.7	481.1	488.4	489.2	490.	492.6	489.4
9	490.7	492.8	495.3	497.2	493.3	490.2	478.6	481.7	486.6	487.9	489.1	489.9	489.4
10	490.7	495.4	500.2	503.1	500.6	489.7	480.5	480.5	475.	488.5	489.6	492.3	490.5
12	492.1	487.7	493.9	495.	498.5	489.1	478.2	481.2	482.3	485.7	488.5	494.4	488.9
13	493.7	492.5	496.6	504.5	506.	495.2	482.7	480.6	483.2	487.3	489.8	491.1	491.9
14	492.8	494.7	495.	494.4	503.6	495.2	484.7	480.2	483.	486.9	488.6	493.8	491.1
15	491.7	492.	494.7	496.7	504.7	497.4	487.6	481.9	487.1	487.9	488.2	490.	491.7
16	489.4	491.3	490.4	491.7	488.2	488.2	483.	476.	482.8	487.	494.4	492.1	487.9
17	492.3	497.6	495.1	490.9	502.	492.6	480.	475.6	477.	485.	492.7	505.	490.5
19	484.	514.4	490.3	478.1	492.	476.6	472.2	471.1	479.8	491.9	496.9	492.2	486.6
20	483.2	471.1	479.3	483.4	463.5	474.6	472.	473.2	469.5	490.	483.	496.8	478.3
21	478.5	473.	462.	454.3	477.6	465.	455.5	461.6	460.7	465.4	473.4	495.2	468.5
22	477.1	479.5	473.7	479.	484.2	472.8	466.7	464.5	470.4	475.3	482.4	487.6	476.1
23	470.5	472.1	487.	487.8	482.6	477.5	468.	463.7	466.	474.	478.6	475.9	475.3
24	474.8	469.8	470.5	463.8	475.8	468.8	462.6	470.1	473.3	479.4	479.	479.4	472.3
26	479.7	481.4	483.3	482.4	485.6	478.8	474.2	473.9	477.2	478.5	478.	478.4	479.3
27	479.3	480.7	484.	480.7	489.1	482.1	471.2	472.3	475.5	475.	476.4	499.1	480.4
28	497.8	477.7	486.	487.8	475.9	471.2	471.1	475.2	478.	479.2	482.7	478.4	480.1
29	475.6	476.8	469.7	491.5	488.9	479.	469.	470.	478.4	480.8	479.	479.3	478.2
30	482.	458.9	485.5	481.7	485.4	481.6	471.3	471.1	475.1	477.	477.9	477.	477.2
31	478.9	480.9	481.6	482.1	482.4	485.7	474.1	470.5	470.7	476.5	479.9	482.4	478.8
Means	486.8	486.2	487.4	487.9	490.3	483.9	476.2	476.	478.9	483.6	485.9	489.8	484.41

As before.

Göttingen time.. Observatory time.	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.	Reduced to 32° F.
Oct. 1	47.7	69.4	25.3	81.3	99.3	98.1	103.2	119.	76.9	83.	89.7	18.9	76.	189.5
2	107.	110.3	78.5	155.9	144.3	204.6	125.4	242.7	226.4	172.5	198.7	208.1	164.5	275.6
3	235.3	200.3	193.1	141.1	201.6	119.4	60.2	155.1	110.5	194.3	258.5	273.2	178.5	288.
5	395.9	398.5	424.4	455.4	450.3	410.1	334.6	254.1	209.8	183.3	191.2	258.9	330.5	416.9
6	248.1	241.	291.1	365.7	301.9	347.8	272.8	137.1	51.8	59.2	113.4	172.4	216.9	314.2
7	108.2	186.1	238.8	292.6	230.8	172.5	70.3	69.7	— 44.2	53.9	108.1	125.7	134.4	241.4
8	259.6	203.7	260.1	208.3	256.3	191.2	189.4	95.	72.7	57.3	38.6	151.	165.3	269.5
9	177.1	205.2	241.4	305.2	240.5	202.3	116.3	103.6	22.9	0.6	47.3	71.9	144.5	252.2
10	103.7	131.	165.3	195.4	236.4	253.5	180.	303.6	256.8	329.	327.9	311.2	232.8	329.5
12	251.3	175.3	246.3	173.1	211.	138.6	107.3	125.	121.5	121.5	150.	226.1	170.6	277.3
13	286.3	317.9	350.8	420.8	362.9	348.2	282.9	221.1	185.7	142.6	174.5	215.9	275.8	361.9
14	261.8	340.5	379.4	417.3	410.9	357.9	268.	144.7	66.9	70.9	98.	122.1	244.9	334.8
15	134.1	148.7	249.2	236.	243.9	207.9	172.7	236.4	217.5	216.2	243.	298.6	217.	307.5
16	332.5	385.4	448.3	485.6	452.8	414	370.	346.	314.2	311.7	355.3	492.9	392.4	462.
17	347.7	410.7	485.6	531.	545.3	490.8	489.9	538.4	530.9	530.6	477.2	447.7	485.5	541.
19	370.5	245.4	303.7	283.9	263.2	278.6	328.8	337.6	232.3	38.4	4.4	— 16.5	222.5	319.5
20	— 76.8	—112.	— 91.8	5.2	— 74.3	— 27.9	— 41.3	— 11.5	23.8	— 19.	— 37.9	— 85.8	— 45.8	64.
21	— 92.7	—115.9	— 73.5	— 94.6	36.6	63.4	133.4	193.6	186.4	133.3	31.2	— 83.1	26.5	127.9
22	—105.1	—127.3	—127.2	— 58.1	— 51.1	71.5	124.8	89.4	111.2	*	127.3	127.7	16.6	107.4
23	105.9	168.8	201.	333.7	327.1	280.2	223.7	184.7	110.5	63.9	85.4	112.7	183.1	257.4
24	120.3	81.2	140.6	186.4	169.	145.9	131.4	128.2	97.5	114.5	161.9	155.4	136.	211.2
26	498.3	495.	540.	565.4	591.3	519.1	475.	466.3	468.7	476.1	491.1	482.	505.7	536.3
27	514.9	532.1	539.7	562.8	526.3	477.9	421.1	355.8	302.5	381.5	432.4	336.1	448.6	484.5
28	312.1	183.1	172.9	372.9	436.5	416.4	369.3	317.6	230.3	250.2	217.8	205.1	290.3	339.9
29	193.9	172.7	132.	197.8	222.1	212.2	213.7	226.6	219.3	191.3	318.1	333.2	219.4	294.3
30	276.5	241.2	239.5	274.2	280.6	263.5	302.	303.2	333.6	359.5	361.7	428.	305.3	401.7
31	452.8	482.8	524.6	546.3	601.7	569.9	551.2	519.6	539.5	545.9	569.7	623.	543.9	612.6
Means	217.3	213.7	243.7	283.	285.8	267.7	236.2	229.7	195.4	194.7	208.7	222.7	233.33	.....
Reduced to 32° F.	305.6	298.5	326.	363.2	366.6	349.1	320.7	318.	288.1	288.	300.8	312.3	.....	319.88

As before.

* Seventeen minutes late, 131.3.

Göttingen time / Observatory time	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means.
Oct. 1	67.	66.7	66.2	65.8	66.5	66.7	68.	69.2	71.	71.8	71.	70.4	68.4
2	69.7	68.8	68.	67.5	66.	66.5	66.8	67.	67.5	68.	68.	68.	67.6
3	68.	68.	68.	67.9	68.4	68.6	68.8	67.5	67.7	65.8	64.	62.3	67.1
5	58.5	57.2	56.	55.	56.	57.	59.	61.	64.3	65.	64.5	63.4	59.7
6	62.	60.8	59.5	58.2	59.1	59.6	62.	64.5	67.9	69.1	68.4	67.5	63.2
7	66.3	65.	63.8	62.6	63.5	64.2	67.	68.5	70.4	69.	68.4	67.	66.3
8	65.5	63.8	63.7	62.3	61.8	63.	65.	66.7	69.	69.	68.4	66.7	65.4
9	65.	64.	63.	62.8	63.	64.	67.	68.7	70.1	70.7	70.5	69.6	66.5
10	68.2	67.	65.8	64.2	63.3	62.	61.	61.	61.6	61.1	60.7	60.3	63.
12	65.8	65.8	65.4	65.	66.	67.	67.5	68.	68.1	67.	66.	63.4	66.2
13	61.4	59.4	57.3	56.	57.	57.5	58.4	60.	62.4	63.1	62.2	61.	59.6
14	59.4	57.7	56.7	56.	56.4	57.3	60.	63.4	66.	66.1	65.6	65.	60.8
15	64.	63.8	63.2	61.	60.	59.	59.8	60.4	61.2	61.4	60.	57.7	61.
16	56.	54.3	52.4	51.	52.2	52.5	53.8	55.	56.6	56.8	56.1	54.4	54.3
17	53.2	50.7	49.	48.	47.	47.3	48.	49.	50.	51.2	52.	52.	49.8
19	57.3	58.2	59.1	59.9	60.7	62.	63.5	65.4	67.	68.	68.2	68.	63.1
20	67.3	67.1	66.9	66.9	67.	67.	67.	67.2	67.4	67.5	67.7	67.2	67.2
21	67.2	66.1	65.7	65.	64.	63.2	63.	62.8	62.5	64.	65.	65.5	64.5
22	66.	....	....	....	63.7	61.	60.	60.	61.	61.	60.	57.1	61.1
23	55.	53.9	52.8	51.9	52.8	53.2	55.	57.5	60.3	61.	60.5	....	55.8
24	59.3	58.	56.2	54.8	55.	54.4	54.6	55.7	56.7	57.	56.	55.	56.1
26	44.1	42.7	40.9	40.	39.2	40.	41.	42.3	43.	43.5	43.	42.5	41.8
27	42.	41.1	40.8	40.	40.4	41.	43.	45.3	47.4	47.5	47.	46.5	43.5
28	46.	45.9	45.2	45.	44.	45.3	46.5	49.	51.3	52.	52.3	52.7	47.9
29	53.	53.2	53.4	53.5	53.	53.5	54.5	56.	58.	60.	61.5	63.	56.
30	63.9	64.3	65.	64.7	63.8	63.	62.5	62.5	62.1	62.	61.	59.5	62.9
31	57.8	56.8	55.2	54.	52.5	52.	52.6	53.4	54.3	53.7	53.	53.	54.
Means	60.3	59.2	58.4	57.7	57.9	58.1	59.1	60.3	61.7	61.9	61.5	60.7	59.74

Degrees Fahrenheit.

Göttingen time.. Observatory time	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
Oct. 1.....	862.3	879.7	835.2	853.	856.4	885.7	873.3	864.	870.2	871.4	870.7	864.9	865.6	750.7
2.....	857.4	837.2	834.5	832.6	855.	887.7	875.9	876.8	857.2	840.7	850.3	856.	855.1	743.1
3.....	844.9	839.	833.6	835.2	853.2	885.6	873.	844.4	851.5	830.4	814.2	814.	843.2	733.8
5.....	796.6	789.1	781.5	790.	789.3	827.7	829.2	798.4	809.8	811.7	811.8	808.	803.6	718.2
6.....	807.7	808.	805.7	797.3	838.6	869.4	859.8	863.9	861.2	845.1	872.1	857.2	840.5	743.2
7.....	850.9	835.9	829.1	852.3	829.4	841.6	837.3	837.8	840.6	848.2	849.2	835.	840.6	733.7
8.....	832.8	822.1	814.8	815.7	832.	849.3	843.2	833.1	851.	838.9	839.7	837.8	834.2	729.2
9.....	823.3	821.4	821.	819.3	840.6	867.5	854.8	844.2	*844.8	840.9	842.3	828.7	837.4	729.2
10.....	830.1	806.9	809.5	808.	845.3	848.9	810.	787.4	829.3	829.9	826.4	825.5	821.4	724.4
12.....	839.5	838.3	833.4	854.8	891.	899.8	877.8	874.4	868.3	871.7	868.7	855.1	864.4	757.8
13.....	842.8	832.7	827.5	831.4	825.3	837.1	822.8	824.5	835.7	831.7	833.1	827.8	831.	746.2
14.....	827.4	820.8	810.4	811.8	821.2	827.3	825.7	821.8	821.6	828.4	824.5	832.1	822.7	732.5
15.....	821.1	813.4	818.6	811.	831.2	833.3	833.	827.2	799.4	790.	790.3	784.7	812.7	723.7
16.....	774.9	768.6	760.3	775.	794.5	824.	840.8	841.8	808.1	808.8	828.8	800.2	802.1	730.4
17.....	789.5	799.9	774.9	770.6	778.5	816.3	823.	831.6	799.5	845.1	831.	887.4	812.3	759.5
19.....	†847.8	827.2	.....	813.8	840.6	900.5	962.1	915.9	901.3	955.3	959.9	865.6	890.	791.1
20.....	884.8	896.5	854.3	859.9	909.2	878.8	915.6	897.4	946.8	924.9	891.5	830.4	890.8	781.
21.....	870.7	875.	858.8	901.	858.5	919.4	900.3	872.2	897.7	893.9	890.8	830.8	880.8	780.3
22.....	876.2	868.5	853.6	840.4	848.7	931.6	887.1	862.2	858.5	831.6	821.7	851.6	861.	770.4
23.....	849.	850.6	803.3	802.9	827.	856.4	885.8	867.8	849.8	835.7	840.6	847.1	843.	769.7
24.....	838.5	824.2	816.6	824.7	818.2	847.6	859.5	837.6	817.1	824.9	817.1	829.8	829.6	757.6
26.....	877.	785.5	783.	785.1	797.6	828.5	821.2	804.2	796.2	791.4	790.2	796.3	797.2	769.4
27.....	785.7	779.4	763.9	778.2	777.8	807.9	806.	786.4	780.7	845.8	869.6	‡850.	802.6	770.3
28.....	894.5	880.3	831.1	805.2	828.6	859.7	870.7	831.3	841.8	873.9	856.8	852.5	852.3	804.9
29.....	841.2	839.	848.	834.1	857.	890.8	917.8	902.	855.8	852.	861.2	864.1	863.6	789.4
30.....	880.4	910.5	876.1	865.7	875.8	906.7	910.8	870.4	845.8	841.2	845.	846.3	872.9	778.2
31.....	850.	836.4	825.8	802.9	822.2	839.2	858.7	832.3	816.2	815.8	822.	844.6	830.5	765.5
Means.....	837.3	832.8	819.4	821.2	834.9	861.8	862.	846.3	842.8	845.2	845.2	837.9	840.64	.....
Reduced to 32° F.	750.3	748.6	738.1	742.5	755.2	780.5	777.2	758.3	751.	751.8	753.8	749.9	.....	754.82

As before. * Three minutes late. † Four minutes late. ‡ Twelve and a half minutes before this, observation 892.7, and three minutes after it, observation 863.7.

Göttingen time.. Observatory time.	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.
Oct. 1.....	66.3	66.	65.6	65.1	66.	66.4	67.8	69.	70.9	71.2	70.8	70.3	67.9
2.....	69.	68.1	67.4	67.	66.	66.	66.3	66.5	66.8	66.9	67.	67.3	67.
3.....	67.3	67.2	67.1	67.1	68.	68.2	68.	66.8	66.3	64.3	62.9	61.	66.2
5.....	57.8	56.5	55.	53.9	54.2	56.	58.3	60.5	63.	63.9	63.3	62.5	58.7
6.....	61.	60.1	58.6	57.2	58.3	59.	61.4	64.	67.2	68.	67.3	66.5	62.4
7.....	65.6	64.	62.7	61.1	62.5	63.5	66.2	68.	69.5	68.2	67.2	66.2	65.4
8.....	64.6	62.8	61.9	61.2	61.2	67.8	64.4	66.	67.8	67.7	67.	65.7	64.8
9.....	64.2	63.	62.	61.9	62.	63.3	66.	68.	70.	70.	70.	68.8	65.8
10.....	67.7	66.2	65.	63.2	62.5	61.4	60.5	60.5	60.2	60.	60.	59.9	62.3
12.....	65.1	65.	64.5	64.3	65.	66.	67.	67.4	66.8	65.6	64.2	62.3	65.3
13.....	60.3	58.3	56.8	55.	56.5	56.2	57.	59.2	61.	61.5	60.8	60.	58.5
14.....	58.2	56.8	55.5	54.8	55.5	56.6	64.2	62.1	65.	65.	64.4	64.	60.2
15.....	63.	62.1	61.	60.1	59.	58.6	59.	59.5	60.	59.8	58.6	56.4	59.8
16.....	54.8	52.9	51.	49.4	51.	51.	52.3	53.6	54.9	55.1	54.3	53.	52.7
17.....	50.9	49.	47.7	46.2	46.	46.5	47.	48.4	49.	49.5	50.5	51.	48.5
19.....	57.	57.9	....	58.9	60.2	60.8	63.5	65.5	66.8	67.	67.	66.8	62.9
20.....	66.4	66.	65.9	65.9	66.1	66.5	66.7	67.	67.	65.2	66.6	66.2	66.3
21.....	65.7	65.1	64.8	64.	63.5	62.7	62.3	62.3	62.	62.6	63.	63.	63.4
22.....	63.5	63.5	63.	61.5	60.4	59.3	58.6	58.6	59.	63.4	57.8	55.3	60.3
23.....	53.4	52.1	51.	50.	51.5	52.2	54.2	57.	59.4	60.	59.5	59.	54.9
24.....	58.1	56.8	54.9	53.	53.3	53.1	53.3	54.3	55.	55.	54.	53.5	54.5
26.....	42.	41.8	39.4	38.2	38.3	39.3	40.	41.5	42.	42.5	41.5	41.5	40.7
27.....	40.5	39.9	39.	38.2	39.5	40.	42.	44.	46.	46.	45.5	45.	42.1
28.....	44.5	44.	43.5	43.1	42.9	44.	45.8	48.	51.	51.3	51.5	52.	46.8
29.....	51.9	52.	51.9	52.	52.	53.	54.	56.	57.5	59.4	61.	62.	55.2
30.....	62.8	63.2	63.4	63.	63.	62.4	62.	61.8	61.	60.5	59.	57.5	61.6
31.....	56.1	54.8	53.2	52.	51.2	51.	51.4	52.	52.5	52.	51.	51.	52.3
Means.....	59.2	58.3	57.4	56.6	56.9	57.4	58.5	59.5	60.7	60.8	60.2	59.5	58.7

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 52½	h. m. 14 00	h. m. 14 07½	h. m. 13 50	h. m. 13 57½	h. m. 14 05	Temperature Fahrenheit.	h. m. 13 55	h. m. 14 02½	h. m. 14 10	Temperature Fahrenheit.
Observatory time...	8 12	8 19½	8 27	8 09½	8 17	8 24½		8 14½	8 22	8 29½	
Oct. 1.....	494.1	494.9	494.7	127.5	99.3	114.2	66.5	853.5	856.4	857.1	66.
2.....	486.1	487.6	488.2	229.1	144.3	253.7	66.	851.8	855.	856.8	66.
3.....	497.	497.	496.7	178.1	201.6	216.1	68.4	849.2	853.2	857.8	68.
5.....	501.1	501.6	500.6	454.	450.3	449.7	56.	787.8	789.3	790.1	54.2
6.....	488.	487.3	487.3	419.9	301.9	344.3	59.1	837.5	838.6	853.1	58.3
7.....	494.7	494.5	495.6	250.5	230.8	277.2	63.5	831.1	829.4	830.5	62.5
8.....	495.6	495.	494.	294.	256.3	364.1	61.8	831.5	832.	832.8	61.2
9.....	497.4	493.3	497.2	339.9	240.5	275.6	63.	837.3	840.6	844.8	62.
10.....	500.	500.6	499.4	251.6	236.4	283.1	63.3	842.8	845.3	846.6	62.5
12.....	498.4	498.5	498.2	162.7	211.	192.9	66.	888.7	891.	892.4	65.
13.....	506.	506.	506.3	365.5	362.9	356.1	57.	825.5	825.3	824.8	56.5
14.....	502.7	503.6	503.2	415.8	410.9	404.5	56.4	821.4	821.2	826.	55.5
15.....	504.	504.7	505.8	242.9	243.9	236.2	60.	828.6	831.2	831.7	59.
16.....	487.4	488.2	489.6	456.2	452.8	449.4	52.2	795.2	794.5	797.	51.
17.....	502.9	502.	503.2	540.1	545.3	542.5	47.	783.1	778.5	784.3	46.
19.....	489.6	492.	494.3	283.2	263.2	249.8	60.7	831.2	840.6	839.2	60.2
20.....	.....	463.5	468.8	.....	— 74.3	— 84.2	67.	931.4	909.2	909.6	66.1
21.....	476.	477.6	478.	40.4	36.6	39.	64.	854.3	858.5	859.9	63.5
22.....	.....	484.3	.....	.....	— 51.1	.....	63.7	.....	848.7	.....	60.4
23.....	483.6	482.6	483.7	330.8	327.1	309.3	52.8	828.	827.	824.5	51.5
24.....	475.5	475.8	476.	174.5	169.	167.	55.	817.4	818.2	819.5	53.3
26.....	486.6	485.6	485.	571.4	591.3	579.3	39.2	799.9	797.6	800.3	38.3
27.....	489.5	489.1	487.7	546.2	526.3	533.8	40.4	776.7	777.8	781.8	39.5
28.....	476.4	475.9	475.	453.3	436.5	435.6	44.	841.1	828.6	823.	42.9
29.....	488.3	488.9	489.7	214.4	222.1	214.5	53.	854.2	857.	861.	52.
30.....	484.9	485.4	485.	272.	280.6	271.5	63.8	874.7	875.8	879.	63.
31.....	482.1	482.4	483.5	593.1	601.7	581.7	52.5	823.9	822.2	820.1	51.2

Göttingen time.. Observatory time.	h. m. 6 00 0 19½	h. m. 8 00 2 19½	h. m. 10 00 4 19½	h. m. 12 00 6 19½	h. m. 14 00 8 19½	h. m. 16 00 10 19½	h. m. 18 00 12 19½	h. m. 20 00 14 19½	h. m. 22 00 16 19½	h. m. 0 00 18 19½	h. m. 2 00 20 19½	h. m. 4 00 22 19½	Means.
Nov. 2.....	481.7	481.3	482.	476.9	484.5	486.7	471.6	474.1	478.4	478.6	481.5	478.9	479.7
3.....	478.4	479.7	481.2	481.4	488.1	480.	475.5	472.1	474.7	478.1	480.1	480.4	479.1
4.....	480.1	480.9	481.8	483.3	482.7	478.9	477.	471.8	476.6	479.3	480.	483.	479.6
5.....	480.4	479.6	487.9	485.4	485.7	478.7	473.5	474.1	477.9	485.5	484.3	482.9	481.3
6.....	480.	488.	491.4	494.2	492.	482.2	477.4	473.4	472.9	480.2	482.5	480.5	482.9
7.....	480.4	482.9	486.7	486.4	491.5	484.2	463.5	474.5	474.6	482.1	485.1	485.	481.4
9.....	483.6	496.2	496.1	494.9	489.2	482.6	475.	474.7	476.4	483.9	485.	485.5	485.3
10.....	482.7	483.1	484.4	486.	491.2	487.	478.5	478.1	481.5	481.2	484.	481.6	483.3
11.....	483.4	484.1	483.2	486.1	491.2	485.5	478.	477.2	480.7	485.9	481.3	483.4	483.3
12.....	480.3	482.7	484.4	486.3	489.2	486.2	478.	478.2	481.9	481.	482.	482.	482.7
13.....	481.9	482.4	483.4	487.2	482.8	484.	476.2	471.3	477.4	474.3	484.	486.1	480.9
14.....	479.	478.7	475.9	478.5	486.	471.5	475.	469.4	474.2	482.7	484.	499.8	479.6
16.....	480.1	474.5	482.9	487.9	481.	463.	475.6	476.4	480.5	507.9	486.	487.8	482.
17.....	484.4	478.5	480.4	484.2	483.7	483.9	472.4	472.7	480.6	486.8	488.1	487.9	482.
18.....	482.	483.1	483.5	485.9	489.8	476.	471.6	474.4	478.9	480.9	483.3	485.1	481.2
19.....	483.7	481.3	481.2	483.6	485.5	481.6	476.7	478.6	478.1	481.7	482.3	484.1	481.5
20.....	481.	484.	486.1	485.1	486.	466.8	461.5	466.3	477.2	471.	516.6	478.	480.
21.....	458.5	479.6	442.7	471.3	482.8	467.4	474.3	468.3	474.	477.2	478.3	480.3	471.2
23.....	.....	.....	.....	.....	.....	.....	448.1	452.6	457.1	464.8	464.8	460.7	458.
24.....	463.8	454.8	465.7	461.4	460.1	460.1	446.8	451.4	460.4	461.2	462.4	460.6	459.1
25.....	460.2	457.8	460.8	462.8	462.1	461.6	454.3	450.2	458.	461.9	471.7	470.	460.9
26.....	459.7	459.9	461.7	462.3	464.4	461.7	453.1	451.	459.	455.5	459.8	465.3	459.5
27.....	460.2	458.5	460.7	461.5	.....	.....	.....	.....	454.	456.9	462.4	460.9	459.4
28.....	459.7	462.5	467.3	465.6	466.4	454.4	453.5	448.2	*457.8	461.1	463.9	460.3	460.1
30.....	461.3	459.5	462.	462.	463.7	459.9	453.2	454.	457.2	461.9	461.1	458.8	459.5
Means.....	475.3	476.4	477.2	479.2	481.7	474.9	468.3	468.	472.	476.1	479.	478.	475.5

As before.

* Five minutes before time.

Gottingen time.. / Observatory time	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means.	Reduced to 32° F.
Nov. 2.....	632.8	674.2	697.5	721.8	709.7	679.1	654.	621.7	578.5	552.8	591.8	614.6	644.	701.4
3.....	633.6	670.1	697.5	729.8	705.8	678.5	597.5	547.6	509.4	534.9	548.3	559.3	617.7	678.9
4.....	570.2	601.2	630.9	631.5	624.3	561.9	538.9	464.9	408.6	248.6	283.4	308.7	489.4	558.4
5.....	304.4	359.5	398.4	429.2	445.1	420.7	357.2	331.2	273.	256.2	291.	332.2	349.8	418.8
6.....	333.9	384.5	388.4	400.9	427.7	373.4	343.9	342.	393.7	425.8	364.	355.1	377.8	446.5
7.....	362.5	374.9	372.8	408.6	410.5	383.	361.8	317.5	321.7	347.4	334.	345.	361.6	429.
9.....	451.4	404.3	421.8	394.5	383.8	388.7	432.2	465.2	479.6	510.9	515.	467.	442.8	508.
10.....	458.5	475.2	473.7	491.	469.8	423.9	395.3	407.	383.4	359.6	395.	391.2	427.	490.3
11.....	422.7	439.2	471.5	506.4	476.8	462.3	422.	402.9	341.6	358.1	347.9	370.6	418.5	476.6
12.....	403.5	411.6	420.6	429.2	421.5	380.	376.1	346.7	247.2	225.5	266.5	286.	351.2	416.4
13.....	*	324.2	363.4	386.5	426.1	348.9	296.3	271.5	253.2	327.7	435.6	392.9	347.8	412.7
14.....	404.7	431.2	435.5	476.	531.3	449.9	415.6	387.3	407.7	383.4	408.4	427.4	429.9	485.1
16.....	588.	515.3	476.1	597.2	602.8	635.7	608.3	666.7	617.4	585.8	636.6	654.4	598.7	632.7
17.....	615.6	592.7	708.1	725.2	755.8	704.	650.	654.4	637.1	621.8	593.9	570.3	652.4	683 3
18.....	603.8	605.4	537.7	642.8	662.	708.3	673.4	684.1	698.4	687.4	679.7	699.6	656.9	688.1
19.....	759.4	740.5	728.6	743.1	730.8	704.1	670.9	706.9	721.	679.9	640.6	687.2	709.4	736.3
20.....	688.	647 5	686.5	663.	673.4	650.2	640.9	596.4	593.5	591.6	589.5	621.5	636.8	671.4
21.....	499.	555.9	398.	484.	742.1	777.	778.7	856.	828.	685.4	686.8	648.1	661.6	693.1
23.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24.....	210.4	238.4	290.7	311.8	330.7	294.3	258.7	243.8	209.8	195.8	225.9	239.5	254.1	308.
25.....	264.7	332.5	339.4	358.7	389.6	372.	373.9	386.7	362.7	344.4	352.4	341.2	351.5	397.7
26.....	†	364.9	381.6	385.3	367.2	371.2	340.2	350.4	357.9	366.1	372.7	385.4	367.5	408.1
27.....	392.9	414.7	437.	467.	.....	.....	.....	.....	456.5	377.9	324.6	401.7	409.	443.9
28.....	334.5	383.9	368.2	379.4	435.5	423.8	392.4	375.1	259.1	330.1	346.6	364.2	366.1	404.1
30.....	303.4	300.5	284.9	281.4	293.4	277.	241.9	222.2	175.5	136.2	113.9	138.4	230.7	286.5
Means.....	465.3	468.4	475.4	501.9	522.4	498.6	470.4	463.	438.1	422.2	431.	441.7	466.24	.....
Reduced to 32° F.	517.4	518.6	523.1	548.1	568.3	545.4	520.6	516 9	492.7	479.	486.5	495.	.....	517.41

As before. * Twenty-five minutes late, observation 329.2. † Thirty-five minutes late, 371.3.

Göttingen time / Observatory time	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means.
Nov. 2	50.8	50.	48.8	47.8	48.	48.3	49.4	51.	52.5	53.3	53.	52.	50.4
3	51.3	50.1	49.2	48.	48.	48.8	50.8	53.	54.5	55.8	55.1	54.9	51.6
4	54.3	53.3	52.7	52.3	52.	52.8	53.6	55.	....	57.2	56.6	55.5	54.1
5	55.5	54.3	52.9	52.	51.	51.	53.	54.5	57.	57.	55.	55.	54.1
6	55.	54.3	53.2	52.3	52.	52.4	53.5	54.5	55.5	55.3	55.	54.6	54.
7	54.3	53.3	51.8	51.9	51.8	52.	53.3	55.5	56.	55.3	54.9	53.2	53.6
9	53.2	53.	53.2	53.3	53.	53.	53.	53.	52.5	52.7	52.8	52.5	52.9
10	52.5	51.8	51.2	51.	51.	51.5	52.	53.4	54.5	54.	53.3	52.	52.3
11	51.	50.3	49.2	48.2	48.5	48.3	49.6	51.4	52.7	53.1	53.	52.	50.6
12	51.3	51.1	51.	50.5	50.5	51.	52.	53.6	56.	56.3	56.	55.	52.9
13	....	53.7	52.2	51.2	50.5	51.5	52.5	54.	55.	54.5	53.5	52.	52.8
14	51.1	50.2	49.1	48.	47.	47.5	49.	50.8	51.4	51.4	51.	50.5	49.7
16	44.2	43.1	42.3	42.1	42.	42.	42.5	43.	43.7	44.	43.3	42.2	42.9
17	42.1	41.8	40.2	39.2	39.	40.	41.6	43.	43.7	44.5	44.	43.6	41.9
18	43.8	43.	42.2	42.3	42.	41.5	42.	42.	41.6	41.8	41.	40.7	42.
19	40.	39.2	39.3	39.1	39.	41.	41.5	41.6	41.6	41.5	42.8	41.6	40.6
20	41.3	41.7	41.7	41.7	41.6	42.4	43.	44.3	45.	45.6	44.8	44.	43.1
21	43.	42.	41.	40.1	39.4	39.7	40.6	42.	43.	45.	45.	44.	42.1
23	....	....	....	....	....	....	....	....	....	....	....	....	....
24	50.4	49.1	48.7	48.1	47.	47.3	49.	50.3	51.	51.	50.	50.	49.3
25	49.1	47.8	47.1	46.8	....	45.4	45.8	46.	46.	47.1	46.8	46.8	46.8
26	....	45.8	45.	44.4	44.	44.3	45.	45.6	45.6	45.3	45.	44.9	45.
27	44.1	43.3	42.1	41.8	....	....	....	....	42.	44.	44.2	44.	43.2
28	43.	43.4	43.2	43.2	42.	42.1	43.1	45.	46.6	46.9	46.1	45.7	44.2
30	48.8	48.6	48.6	48.5	48.3	49.	49.8	50.5	51.7	52.3	52.	50.9	49.9
Means	48.7	48.1	47.3	46.8	46.7	47.	48.1	49.3	49.5	50.2	49.8	49.1	48.4

Degrees Fahrenheit.

Göttingen time.. Observatory time.	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
Nov. 2.....	828.	808.3	804.1	808.2	821.3	831.7	871.2	819.6	822.7	813.3	823.9	831.8	823.7	769.
3.....	821.3	*812.1	804.1	804.6	814.5	845.2	825.7	830.7	826.8	821.3	816.5	819.	820.1	761.5
4.....	815.9	815.	812.1	805.	807.1	801.8	826.5	819.	822.1	820.5	820.2	821.9	815.6	747.4
5.....	842.3	829.6	816.	805.	810.3	823.1	840.1	821.6	816.9	834.7	867.9	893.6	810.9	744.3
6.....	786.8	812.5	810.1	797.	809.1	814.5	818.3	849.7	873.4	875.5	843.7	843.4	827.8	760.
7.....	850.1	844.1	837.7	833.7	858.3	854.7	947.7	874.	871.7	839.	830.7	859.6	858.4	792.8
9.....	834.9	847.6	846.5	826.8	837.8	870.5	876.6	862.6	844.1	851.2	856.9	823.6	848.3	784.6
10.....	828.5	831.2	819.4	815.5	813.1	832.1	838.	822.4	821.	814.1	815.	819.	822.4	760.6
11.....	815.	814.9	805.7	783.1	782.4	799.	793.1	791.8	794.3	802.1	806.6	818.3	800.5	745.1
12.....	813.8	807.	801.8	796.4	797.9	818.7	822.5	824.9	†	815.1	817.6	815.3	811.9	749.8
13.....	‡	811.9	802.7	786.2	809.7	814.	832.4	806.7	834.4	866.2	884.	847.1	826.8	765.
14.....	832.	832.4	842.4	798.3	822.1	841.5	870.2	833.8	874.8	825.1	841.9	865.7	840.	788.2
16.....	841.1	866.8	799.7	794.9	831.9	849.7	824.8	854.9	852.2	830.1	822.8	835.	833.7	802.
17.....	813.7	816.3	812.5	799.2	824.5	834.3	853.3	846.3	836.2	837.3	845.4	841.2	830.	802.1
18.....	816.8	823.1	805.9	803.1	828.	857.2	839.2	820.7	821.1	810.9	810.5	820.7	821.4	793.3
19.....	819.7	810.4	803.6	797.6	805.5	806.1	827.9	819.2	821.2	820.7	807.6	813.2	812.7	789.7
20.....	820.3	798.8	794.9	778.5	789.6	797.1	864.8	850.8	835.7	859.6	819.	853.	821.8	790.4
21.....	858.	841.6	819.9	844.5	841.9	928.3	900.3	923.7	900.5	841.4	854.1	813.4	864.	835.5
23.....	§852.5	858.1	860.5	863.9	869.4	928.1	878.2	868.7	931.4	905.4	871.4	‖862.7	879.2	806.9
24.....	873.7	850.7	833.3	814.	818.4	838.9	875.	828.2	851.3	828.4	828.1	843.6	840.3	789.4
25.....	839.5	827.8	810.	802.5	820.5	827.3	834.4	813.1	824.2	814.1	822.3	852.4	824.	781.1
26.....	¶	815.5	806.2	804.5	805.8	810.3	807.4	795.6	793.6	795.3	797.1	796.6	802.5	765.1
27.....	803.6	802.5	785.	783.7	.....	.....	.....	.....	773.3	781.7	786.	789.2	788.1	759.6
28.....	801.7	792.	789.6	785.8	801.3	839.9	810.	828.3	**815.6	803.5	832.9	809.7	809.2	777.2
30.....	832.9	826.9	827.9	819.4	821.9	840.3	845.7	828.4	822.9	820.9	813.7	814.2	826.3	772.2
Means.....	827.9	823.9	814.1	806.1	818.4	837.7	846.8	834.8	836.7	825.5	825.8	828.5	828.	.....
Reduced to 32° F.	778.9	776.9	769.3	762.9	773.9	791.6	787.2	781.4	782.3	770.5	772.4	777.6	.....	777.80

As before. * 1*m.* late. † 12½*m.* before the time, 819. ‡ 27½*m.* late, 813.3. § 6*m.* late. ‖ 3*m.* late. ¶ 15½*m.* late, 820.8. ** 10*m.* before time.

Göttingen time / Observatory time	h. m. 6 02½ / 0 22	h. m. 8 02½ / 2 22	h. m. 10 02½ / 4 22	h. m. 12 02½ / 6 22	h. m. 14 02½ / 8 22	h. m. 16 02½ / 10 22	h. m. 18 02½ / 12 22	h. m. 20 02½ / 14 22	h. m. 22 02½ / 16 22	h. m. 0 02½ / 18 22	h. m. 2 02½ / 20 22	h. m. 4 02½ / 22 22	Means.
Nov. 2	48.9	47.9	46.9	46.	47.	47.4	48.5	50.	51.4	52.	51.7	51.	49.1
3	50.	48.4	47.	46.1	46.5	47.6	50.	52.	53.8	54.2	54.	53.5	50.3
4	52.8	52.	51.	50.5	50.5	52.	53.	54.5	56.4	56.4	56.	54.7	53.3
5	53.9	52.7	51.	49.8	49.5	50.	52.	53.7	56.	56.3	54.5	54.	52.8
6	53.5	52.9	51.9	51.	51.	51.4	53.	54.2	55.2	55.2	54.8	54.	53.2
7	53.	52.	51.	50.2	50.3	51.	52.4	54.4	54.9	54.1	53.8	53.2	52.5
9	52.	51.9	51.9	51.9	52.2	52.2	52.	52.	51.5	51.8	51.6	51.4	51.9
10	51.	50.1	50.	49.6	50.	51.	51.6	52.6	53.5	53.1	52.3	51.	51.3
11	50.	49.	47.4	46 6	47.	47.	48.3	50.	51.5	52.	51.8	51.	49.3
12	50.5	49 9	49.3	49.	49.	49.7	51.	52.4	....	55.2	55.	54.	51.4
13	....	52.	50.9	49.6	49.	50.	51.3	52.6	53.5	53.	52.	50.6	51.3
14	49.4	48.	47.	46.	46.	46.5	47.5	49.	50.	50.	49.7	49.	48.2
16	42.6	41.3	40.5	40.9	40.7	41.	42.	42.8	43.2	43.9	42.3	41.4	41.9
17	40.3	39.1	38.3	37.5	37.7	39.2	41.	42.5	43.5	43.5	43.4	43.	40.7
18	42.5	41.2	41.	41.	41.	40.5	41.	41.	41.	40.3	40.	39.4	40.8
19	39.	38.	37.4	37.	37.5	39.	40.7	40.8	40.3	40.3	40.4	40.2	39.2
20	40.	40.1	40.1	40.1	40.4	41.3	42.	43.2	44.	44.	43 4	43.	41.8
21	41.5	40.2	40.2	39.	38.	38.6	40.	42.	42.4	43.	43.1	43.	40.9
23	51.1	52.9	54.9	55.8	56.1	57.6	57.6	57.2	56.	53.7	52.	50.5	54.6
24	49.	47.9	46.8	46.	46.	46.	47.5	49.	49.7	49.4	49.5	47.6	47.9
25	46.9	46.1	45.1	45.	45.	44.4	44.8	45.	45.5	45.9	45.8	45.5	45.4
26	....	44.1	43.8	43.	43.	43.3	44.	44.7	44.6	44.1	43.5	43.1	43.7
27	42.2	41.3	40.4	40.	....	....	....	....	41.	41.	41.1	40.5	40.9
28	40.1	40.	40.	39.9	39.9	40.	41.	43.	45.3	45.2	44.9	44.3	42.
30	47.5	47.3	47.1	47.	47.5	48.	49.	50.	51.3	51.3	51.3	49.5	48.9
Means	47.3	46.7	46.	45.5	45.9	46.4	47.5	48.7	49.	49.2	48.7	47.9	47.4

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 52½	h. m. 14 00	h. m. 14 07½	h. m. 13 50	h. m. 13 57½	h. m. 14 05	Temperature Fahrenheit.	h. m. 13 55	h. m. 14 02½	h. m. 14 10	Temperature Fahrenheit.
Observatory time....	8 12	8 19½	8 27	8 09½	8 17	8 24½		8 14½	8 22	8 29½	
Nov. 2.....	489.9	484.5	481.5	717.9	709.7	702.3	48.	820.2	821.3	818.	47.
3.....	486.9	488.1	488.	712.6	705.8	704.5	48.	815.	814.5	817.4	46.5
4.....	483.3	482 7	482.1	635.1	624.3	617 5	52.	808.9	807.1	805.9	50.5
5.....	486.7	485.7	486.1	453.6	445.1	449.	51.	811.7	810.3	810.4	49.5
6.....	490.7	492.	494.5	424 2	427.7	424.4	52.	802.8	809.1	809.9	51.
7.....	490.6	491.5	488.6	406.5	410.5	401.9	51.8	861.	858.3	863.2	50.2
9.....	490.5	489.2	486.6	379.4	383.8	384.5	53.	836.7	837.8	839.9	52.2
10.....	492.3	491.2	490.6	452.6	469 8	473.7	51.	817.2	813.1	815.6	50.
11.....	491.2	491.2	487.3	472.2	476.8	477.6	48.5	788.4	782.4	779.2	47.
12.....	489.2	489.2	490.3	416.9	421.5	414.4	50.5	798.3	797.9	799.6	49.
13.....	483.1	482.8	483.3	433.3	426.1	414.9	50.5	811.8	809.7	810.4	49.
14.....	487.6	486.	484.1	516.4	531.3	536.6	47.	820.	822.1	825.7	46.
16.....	482.	481.	480.5	611.1	602.8	615.4	42.	838.6	831.9	811.5	40.7
17.....	483.8	483 7	483.4	759.8	755.8	753.	39.	822.2	824.5	829.	37.7
18.....	490.	489.8	488.9	668.7	662.	661.6	42.	826.7	828.	829.9	41.
19.....	485.2	485.5	485.8	747.4	730.8	739.8	39.	806.1	805.5	806.7	37.5
20.....	486.	486.	485.7	670.9	673.4	665.8	41.6	784.	789.6	797.6	40.4
21.....	477.2	482.8	481.5	743.2	742.1	742.9	39.4	846.5	841.9	861.1	38.
23.....	.....	.....	.....	521.9	511.	511.7	57.	866.9	869.4	867.	56.1
24.....	459.3	460.1	461.1	336.4	330.7	324.1	47.	817.9	818.4	820.5	46.
25.....	461.7	462.1	463.1	371.4	389.6	376.6	....	818.2	820.5	827.1	45.
26.....	464.9	464.4	466.7	419.4	367.2	417.3	44.	804.6	805.8	805.2	43.
27.....	.....	.....	.....	.....	.....	.....	....	.....	.....	.....	....
28.....	.....	466.4	.....	.....	435.5	.....	42.	.....	801.3	.....	39.9
30.....	464.6	463.7	463.3	291.6	293.4	286.	48.3	820.5	821.9	822.1	47.5

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
Dec. 1	458.7	459.5	459.4	460.9	462.6	461.	453.6	455.5	458.1	462.3	461.	462.	459.5
2	461.	460.7	461.8	461.6	464.3	466.6	457.5	455.7	450.	448.1	461.1	468.8	459.8
3	462.	459.7	460.4	463.	466.6	465.2	456.5	455.	455.	463.4	460.7	460.6	460.7
4	460.8	460.7	460.4	459.4	462.7	462.4	453.	450.4	456.	455.6	461.	463.1	458.8
5	458.	457.9	461.9	461.9	462.1	464.7	460.2	457.5	449.5	457.9	460.9	462.	459.5
7	*460.5	460.2	460.5	462.2	464.2	463.4	456.8	456.5	457.8	461.	460.1	460.5	460.3
8	458.6	460.1	461.2	461.7	461.5	460.1	453.1	452.	455.3	459.7	460.8	460.2	458.7
9	462.2	456.	459.7	460.4	463.	460.	454.3	455.5	456.8	458.7	460.	460.2	458.9
10	459.3	458.6	460.2	461.2	463.	460.5	454.2	449.	454.4	458.1	458.6	463.9	458.4
11	457.8	457.6	457.2	464.	467.5	461.8	448.2	450.7	450.9	461.1	462.2	457.6	458.
12	453.4	448.	462.8	431.2	445.8	450.7	446.4	449.5	456.	460.2	475.9	465.7	453.8
14	459.2	459.3	460.2	459.1	466.	460.6	454.	450.8	457.8	459.4	460.6	465.1	459.3
15	458.7	456.7	458.5	458.2	462.	463.3	452.4	451.1	455.	460.1	462.4	460.6	458.2
16	459.1	459.	459.5	459.	465.1	464.	450.	450.1	455.6	460.	461.	461.4	458.6
17	458.9	458.2	463.2	459.6	455.4	460.5	445.9	453.1	451.7	453.8	468.3	464.	457.7
18	451.9	449.1	461.7	441.8	446.9	451.9	443.3	441.1	443.6	444.3	446.1	446.7	447.4
19	443.3	443.6	435.9	427.3	436.3	436.6	428.9	436.9	437.8	443.5	454.	452.8	439.7
21	†421.4	430.5	438.3	393.1	420.1	425.5	442.5	435.6	439.2	442.1	466.	455.6	434.2
22	454.9	449.9	447.	446.6	454.5	450.5	441.9	440.5	442.	446.	448.7	448.7	447.6
23	446.8	444.8	445.	440.2	454.3	454.6	439.6	437.7	436.	435.3	446.5	454.2	444.6
24	454.3	449.	449.1	444.9	453.2	450.	440.	437.	446.	447.2	449.5	450.5	447.6
25	447.9	447.	446.6	446.7	453.7	456.3	445.6	445.1	447.	450.1	453.7	449.9	449.1
26	449.5	‡448.1	449.2	452.3	452.6	453.8	444.	439.	445.8	450.4	452.3	450.9	449.
28	448.7	449.5	448.	450.9	454.5	456.6	450.5	442.	452.1	453.5	.....	463.7	451.8
29	455.6	471.9	473.4	436.4	455.9	448.6	.....	.....	.....	458.8	459.1	461.4	457.9
30	459.	458.1	459.3	459.	466.	467.4	459.5	449.7	448.9	457.1	456.8	463.5	458.7
31	462.9	449.3	458.1	456.	464.7	469.	454.	448.4	457.7	460.8	457.4	462.3	458.4
Means	455.	454.2	456.2	451.1	457.2	457.2	449.5	447.9	450.6	454.4	458.6	459.1	454.28

As before. * Six minutes late. † Registered 521.4. ‡ One minute late.

Göttingen time.. Observatory time.	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.	Reduced to 32° F.
Dec. 1.....	170.8	243.7	315.8	357.5	404.	406.3	432.	410.8	374.2	382.4	411.6	458.5	364.	396.8
2.....	484.2	516.4	547.4	566.	612.2	569.6	511.6	462.5	392.4	425.5	447.5	486.1	501.8	520.5
3.....	495.5	500.9	507.9	496.9	533.9	481.2	427.3	*372.1	334.7	274.1	306.4	326.4	421.4	450.4
4.....	345.5	367.2	357.	416.4	454.2	481.2	515.3	548.2	593.5	602.8	635.2	656.7	497.8	518.7
5.....	665.5	674.2	692.3	706.4	727.4	722.5	680.5	685.8	689.3	686.2	688.7	695.2	692.8	691.2
7.....	†787.5	760.5	765.5	770.7	761.1	734.8	650.2	605.5	587.3	575.3	610.9	645.1	687.9	688.2
8.....	663.2	714.7	753.5	747.6	778.2	766.7	720.4	699.1	681.1	583.2	529.2	545.4	681.9	685.3
9.....	538.2	562.7	.....	559.	593.1	560.1	519.3	517.4	493.6	492.	485.5	530.6	532.	554.7
10.....	537.4	550.	563.3	557.1	552.6	515.6	475.2	434.5	401.8	389.3	391.5	397.8	480.5	507.7
11.....	430.7	453.	422.1	475.3	522.7	511.2	491.9	442.7	420.5	414.	411.6	468.8	455.4	486.
12.....	‡438.5	495.2	489.6	551.9	546.9	615.8	604.2	594.9	579 6	568.7	§574.6	543.	550.2	569.5
14.....	294.7	327.4	347.2	375.8	384.6	350.6	324.3	280.8	235.4	252.5	290.9	317.	315.1	362.5
15.....	350.3	397.5	431.4	469.3	485.3	485.	436.4	392.8	339.6	321.3	‖306.2	301.6	376.4	415.7
16.....	298 7	291.6	292.5	290.1	309.2	288.2	354.7	381.9	393.2	343.	392.	419.7	337.9	381.
17.....	439.2	457.8	480.1	439.1	497.1	500.7	424.2	433.7	472.6	541.	599.4	598.7	490.3	515.6
18.....	629.9	630.4	690.8	726.5	756.1	741.3	682.6	691.9	685.9	700.2	744.5	786.1	705.5	709.5
19.....	803.9	792.2	826 5	771.9	824.4	703.1	752.5	762.	770.5	750.7	784.1	737.	773.2	764.5
21.....	745.2	595.3	285.5	443.7	614.	672.5	844.5	.....	.....	760.6	735.8	739.2	643.7	641.8
22.....	732.2	732.7	741.4	730.6	742.5	709.1	678.6	652.9	617.6	580.9	605.7	604.2	677.4	686.1
23.....	630.2	642.	687.1	693.7	700.9	692.2	674.2	646.3	652.9	613.6	651.6	743.3	669.	674.
24.....	645.5	604.4	613.7	609.8	600.3	629.1	589.6	560.8	540.2	534.6	560.9	613.6	591.9	605.
25.....	642.3	678.6	734.8	782.	810.5	783.	754.7	745.9	709.8	731.6	749.7	779.2	741.8	736.5
26.....	795.4	828.5	815.3	832.9	847.	812.9	784.2	756.6	705.6	695.7	633.1	653.8	763.4	759.4
28.....	807.7	834.6	850.5	857.4	871.	809.8	745.9	642.	569.9	614.8	.....	.....	760.4	740.8
29.....	713.7	702.7	659.8	609.4	659.6	662.6	691.5	623.	575.1	722.7	595.7	633.2	654.1	661.5
30.....	629.8	669.4	691.	697.4	708.	689.2	641.	631.8	618.4	619.6	651.4	665.2	659.3	673.4
31.....	650.5	551.5	596.1	634.5	658.	601.5	¶586.	**579.7	592.	525.7	613.7	606.5	599.6	617.1
Means.....	569.1	576.9	583.	598.8	628.	611.	592.3	559.8	539.5	544.5	554.1	575.1	576.11	.....
Reduced to 32° F.	587.8	592.2	595.8	609.4	635.8	620.4	605.4	572.9	560.7	565.7	574.4	593.5	.....	590.93

As before. * 7*m.* late. † 6*m.* late ‡ 8*m.* late. § 11*m.* late. ‖ 1*m.* late. ¶ 8*m.* late. ** 7*m.* late.

NOTE.—The time of oscillation of the bar in this magnetometer in the magnetic prime vertical, which, in July, 1840, was 11.25*s.* at 70° Fahrenheit, was, in February, 1841, 12.08*s.* at 31°.5 Fahrenheit. The place of observation was the same at both times.

Göttingen time / Observatory time	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means.
Dec. 1	48.8	46.	44.3	42.6	41.6	40.6	40.2	41.3	42.2	41.8	40.9	39.8	42.5
2	38.8	37.3	36.7	35.8	35.	35.	37.	38.7	40.7	40.6	40.6	40.	38.
3	39.3	39.1	38.2	38.1	37.8	38.5	40.4	42.5	44.7	46.1	46.	45.2	41.3
4	44.	43.2	42.2	41.4	39.6	38.2	37.8	37.	36.7	35.7	34.6	34.	38.7
5	33.2	32.8	31.4	31.	30.4	30.5	31.	31.5	31.8	32.1	31.7	31.	31.5
7	29.8	30.3	30.2	30.	30.	30.	32.2	34.	35.	35.2	34.3	33.7	32.1
8	....	....	....	....	29.	29.	30.5	32.	33.	36.	37.7	37.5	33.1
9	38.	38.2	....	....	37.5	38.	39.	39.7	40.3	41.8	41.5	39.5	39.3
10	39.2	38.7	38.4	38.3	38.3	39.	40.2	41.7	42.8	43.7	44.	44.	40.7
11	43.2	42.3	41.1	40.1	38.5	39.3	40.6	42.5	44.	44.4	43.8	41.3	41.8
12	40.3	38.7	37.	35.8	35.	35.	36.4	38.	39.	40.2	41.	41.8	38.2
14	48.1	47.3	46.3	45.4	45.4	46.	47.	48.	49.3	49.	47.8	46.8	47.2
15	45.8	44.7	43.2	42.2	41.4	41.5	42.8	44.8	46.3	47.	47.5	47.7	44.6
16	48.	48.1	47.9	47.9	42.3	46.5	45.8	45.5	45.	45.6	44.2	43.3	45.8
17	42.9	41.8	40.8	40.2	39.	39.	40.	40.5	41.	39.8	38.8	38.	40.1
18	36.	35.	33.9	33.	32.	32.	33.4	34.	34.9	34.4	31.5	30.1	33.3
19	29.1	28.1	28.	27.	26.3	30.	30.	30.6	31.	30.5	30.	29.8	29.2
21	30.4	30.7	30.1	29.7	29.	30.	32.	....	....	34.8	34.1	33.5	31.4
22	33.	33.	32.9	32.9	32.8	33.	35.	36.	37.3	37.8	37.	36.5	34.8
23	35.	34.2	32.9	31.9	31.	31.	32.	33.	34.1	36.	36.	35.8	33.6
24	36.	35.2	35.2	35.1	35.	35.	36.	37.	38.4	38.	37.	36.	36.2
25	34.2	32.2	32.7	29.	28.3	28.4	29.	30.	30.8	30.5	30.	29.	30.3
26	28.8	28.1	28.	27.9	27.6	28.5	30.	32.	33.3	34.3	35.	35.2	30.7
28	28.7	27.8	26.9	26.3	26.	27.	29.2	31.7	....	33.5	....	32.	25.7
29	32.2	31.7	31.	30.7	30.5	32.	34.6	36.5	38.	39.	38.4	37.7	34.4
30	37.	36.	35.	35.	34.7	35.	36.	37.	37.8	38.	38.	38.	36.5
31	38.	38.	37.9	38.	37.7	38.	39.3	41.	42.	41.5	40.8	39.6	37.6
Means	38.	36.9	36.1	35.4	34.5	35.	36.2	36.2	38.8	38.8	38.5	37.9	36.75

Degrees Fahrenheit.

Göttingen time.. Observatory time.	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
Dec. 1.....	825.8	794.	789.	775.3	793.7	808.4	812.7	796.4	769.7	776.4	776.5	778.8	791.4	762.
2.....	775.	772.	765.7	763.3	768.7	785.9	791.8	780.5	799.1	801.2	789.5	810.8	784.	769.9
3.....	808.6	796.9	789.5	792.4	800.3	807.5	821.8	817.5	800.9	807.9	811.6	814.4	805.8	779.9
4.....	819.8	810.9	809.6	794.	804.5	827.9	867.9	815.3	790.6	811.7	794.4	792.	811.5	793.9
5.....	804.5	807.3	798.8	788.	800.9	797.8	802.1	806.5	854.1	808.7	807.8	809.1	807.1	812.9
7.....	*819.	820.4	823.	807.7	803.	815.	828.1	815.2	821.3	826.1	824.8	821.3	818.7	824.1
8.....	.....	811.4	802.7	806.1	818.5	838.3	851.5	830.3	814.6	825.5	830.4	836.5	824.2	824.5
9.....	856.6	841.	833.9	832.6	843.5	849.5	847.8	851.2	840.5	852.	859.2	850.6	846.5	827.3
10.....	848.	841.5	838.6	835.7	842.	858.3	859.	844.	841.9	852.7	876.5	894.	852.7	827.4
11.....	846.6	852.8	830.8	835.9	843.9	906.1	878.4	889.7	886.8	883.4	869.6	879.8	867.	840.1
12.....	861.9	890.	845.	838.4	863.6	901.6	918.2	891.4	875.7	940.9	940.8	899.7	888.9	872.3
14.....	890.4	904.7	901.4	894.	892.5	941.4	844.4	908.3	905.	898.3	909.7	911.	900.1	855.6
15.....	895.7	895.3	886.5	878.2	877.7	895.3	912.1	891.3	886.2	884.7	889.1	887.9	890.	853.2
16.....	889.4	884.9	884.1	876.2	883.8	912.8	924.5	896.6	884.	867.8	866.5	878.4	887.4	846.1
17.....	877.5	864.6	859.2	845.3	846.	864.7	906.1	875.2	871.	934.2	919.7	890.7	879.5	858.4
18.....	888.1	852.5	861.3	852.6	854.9	857.3	890.8	868.5	852.6	853.5	854.1	854.1	861.7	862.3
19.....	851.	836.6	833 6	810.	810.6	881.2	898.5	890.3	894.3	882.3	907.1	887.8	865.3	878.7
21.....	1001.9	905.1	866.6	900.2	981.5	1031.2	960.7	971.1	926.3	899.8	883.9	915.2	937.	941.2
22.....	927.9	890.6	876.2	865.	852.6	878.	905.9	895.6	868.	855.7	856.7	851.6	877.	870.
23.....	847.2	834.9	827.6	840.9	818.2	860.4	876.	845.	830.3	832.2	853.1	869.6	844.6	845.2
24.....	870.2	847.2	846.4	841.3	822.2	857.1	875.6	861.6	841.4	847.5	849.1	842.1	850.1	841.8
25.....	837.1	829.8	817.1	809.	810.2	824.6	839.7	832.2	808.4	801.3	811.8	801.3	818.5	828.1
26.....	803.6	804.	801.9	794.6	796.6	810.7	830.9	830.9	805.7	806.7	817.	816.1	809.9	816.3
28.....	797.3	789.4	784.2	772.2	773.2	795.5	832.3	801.	783.6	797.7	.....	.....	792.6	805.7
29.....	826.4	864.	829.1	791.2	810.4	851.2	898.	871.1	839.1	858.2	873.4	877.9	849.2	844.4
30.....	860.7	851.5	830.1	811.9	796.2	822.5	836.5	879.	843.6	835.	864.6	860.7	841.	829.5
31.....	863.3	835.5	841.4	844.1	833.7	871.5	903.4	886.7	870.2	873.	882.	852.9	863.1	842.3
Means.....	853.6	841.8	832.3	825.8	831.2	857.5	867.2	857.1	844.6	848.7	854.6	853.2	847.25	.....
Reduced to 32° F.	840.2	830.9	824.	819.1	825.8	850.8	856.6	842.7	828.	831.8	838.	837.2	.....	835.4

As before.

* Two minutes late.

Göttingen time..... Observatory time...	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.
Dec. 1.....	47.	44.9	42.8	41.	40.2	39.6	39.4	40.	40.3	40.2	40.	39.	41.2
2.....	37.	35.9	34.7	33.2	33.	33.6	35.	37.3	39.	39.6	39.3	38.8	36.4
3.....	38.	37.6	36.5	36.1	36.5	37.5	39.3	41.5	43.7	44.9	45.	44.2	40.1
4.....	43.	42.	40.9	39.9	38.5	37.6	37.	36.	35.	34.	33.5	33.	37.5
5.....	32.2	29.2	30.	29.3	29.2	29.5	30.4	30.7	30.9	31.	30.4	29.8	30.2
7.....	28.2	29.	28.9	28.2	28.8	29.	31.2	32.5	33.6	31.5	32.9	30.	30.3
8.....	....	....	....	....	28.	28.2	30.	31.5	32.6	34.	34.9	36.4	31.9
9.....	35.9	35.9	36.	36.	36.5	37.3	39.	39.7	40.	40.8	40.2	38.7	38.
10.....	38.	37.4	37.	37.	37.3	38.	39.8	41.3	42.5	43.4	43.6	43.4	39.9
11.....	42.1	41.	39.5	38.6	37.9	38.3	39.4	41.	42.4	42.4	41.8	40.	40.4
12.....	38.8	36.9	35.1	37.	33.6	34.	35.6	37.	38.5	39.3	40.	40.8	37.2
14.....	46.8	46.	45.	44.	44.6	45.	45.8	47.	47.5	47.2	46.	45.5	45.9
15.....	44.6	43.2	42.	41.	40.5	40.5	42.	44.	45.5	46.	46.4	46.5	43.5
16.....	46.3	46.3	46.3	46.1	46.3	46.	45.	44.8	44.	43.	43.	42.	44.9
17.....	41.2	40.	39.	38.	38.	38.	38.8	39.4	39.	38.4	37.	36.	38.6
18.....	34.3	34.	33.	31.	31.	31.	32.	32.4	32.	31.4	30.1	29.	31.8
19.....	28.	26.7	26.	25.2	25.6	27.	28.6	29.4	30.	29.5	29.	28.4	27.8
21.....	30.	29.7	29.	28.2	28.3	29.3	31.2	32.3	33.	33.	32.7	32.3	30.7
22.....	32.3	32.	32.	31.9	32.	32.7	34.3	35.7	37.	36.8	36.2	35.3	34.
23.....	34.	32.8	31.7	30.6	30.	30.	30.5	31.8	31.6	33.	33.	32.5	31.8
24.....	32.5	32.5	32.6	32.7	33.	34.	35.	37.	37.8	37.1	36.	34.6	34.6
25.....	33.	31.2	29.4	28.	27.2	27.2	28.	29.	29.5	29.	28.4	28.	29.
26.....	27.5	27.1	26.8	26.8	27.	28.	30.	31.5	33.	34.	34.2	34.5	30.
28.....	27.2	26.2	25.5	25.1	25.2	26.2	28.5	30.7	32.	32.3	....	....	27.9
29.....	31.	30.7	30.2	29.8	30.	31.	34.	35.6	37.2	38.	37.5	37.	33.5
30.....	36.	35.	34.	34.	33.8	34.2	35.	36.	37.	37.3	37.3	37.3	35.6
31.....	37.2	37.1	37.	37.	37.	38.	39.	40.	40.	40.7	40.	39.	38.5
Means.....	36.2	35.4	34.6	34.1	33.7	34.1	35.3	36.5	37.2	37.3	37.2	37.	35.69

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 52½	h. m. 14 00	h. m. 14 07½	h. m. 13 50	h. m. 13 57½	h. m. 14 05	Temperature Fahrenheit.	h. m. 13 55	h. m. 14 02½	h. m. 14 10	Temperature Fahrenheit.
Observatory time...	8 12	8 19½	8 27	8 09½	8 17	8 24½		8 14½	8 22	8 29½	
Dec. 1.....	462.6	462.6	462.9	408.4	404.	408.5	41.6	793.	793.7	793.9	40.2
2.....	463.6	464.3	465.1	611.7	612.2	609.6	35.	767.9	768.7	768.9	33.
3.....	465.	466.6	465.3	534.6	533.9	536.4	37.8	804.1	800.3	801.7	36.5
4.....	461.5	462.7	461.2	459.6	454.2	450.9	39.6	805.	804.5	806.	38.5
5.....	463.	462.1	463.9	722.9	727.4	727.4	30.4	795.5	800.9	796.8	29.2
7.....	463.	464.2	464.9	763.3	761.1	753.4	30.	804.4	803.	801.6	28.8
8.....	461.7	461.5	461.7	778.5	778.2	780.7	29.	818.	818.5	819.4	28.
9.....	462.3	463.	462.4	594.7	593.1	591.1	37.5	839.	843.5	844.3	36.5
10.....	463 3	463.	464.1	561.6	552.6	549.6	38.3	838.9	842.	842.9	37.3
11.....	466.9	467.5	465.7	517.8	522.7	521.5	38.5	853.7	843.9	846.3	37.9
12.....	446.	445.8	445.8	577.7	546.9	592.8	35.	859.4	863.6	866.8	33.6
14.....	463.5	466.	464.5	388.	384.6	387.	45.4	891.2	892.5	895.6	44.6
15.....	462.3	462.	463.	485.7	485.3	487.8	41.4	876.6	877.7	879.8	40.5
16.....	465.	465.1	464.1	303.5	309.2	313.2	42.3	884.	883.8	883.5	46.3
17.....	454.9	455.4	456.	492.	497.1	499.7	39.	853.4	846.	846.7	38.
18.....	446.3	446.9	448.2	761.4	756.1	765.3	32.	857.3	854.9	846.6	31.
19.....	437.1	436.3	437.9	826.3	824.4	817.1	26.3	810.1	810.6	813.8	25.6
21.....	419.6	420.1	414.9	625.9	614.	613.6	29.	983.8	981.5	984.6	28.3
22.....	454.2	454.5	454.4	744.5	742.5	738.6	32.8	853.5	852.6	851.5	32.
23.....	452.7	454.3	456.	710.	700.9	704.9	31.	817.3	818.2	813.	30.
24.....	.....	453.2	.....	.....	600.3	.....	35.	.....	822.2	.....	33.
25.....	451.6	453.7	453.4	811.5	810.5	813.1	28.3	810.9	810.2	808.7	27.2
26.....	452.7	452.6	453.	847.7	847.	845.7	27.6	796.7	796.6	796.4	27.
28.....	454.3	454.5	455.1	877.5	871.	867.7	26.	772.3	773.2	773.2	25.2
29.....	455.2	455.9	454.7	664.5	659.6	657.7	30.5	808.1	810.4	821.2	30.
30.....	465.7	466.	466.4	708.2	708.	699.3	34.7	795.4	796.2	799.5	33.8
31.....	462.7	464.7	464.2	661.9	658.	650.6	37.7	843.1	833.7	837.3	37.

MAGNETIC OBSERVATORY

AT THE

GIRARD COLLEGE, PHILADELPHIA.

TERM DAY MAGNETIC OBSERVATIONS,

FROM JUNE TO DECEMBER, 1840.

GENERAL NOTES.

The instruments are those previously described in the notes prefixed to ordinary observations. Observations upon term days were commenced in 1839 with the declinometer only. On the term day of May, 1840, all the instruments were mounted, but the vertical force was not permanently adjusted. A remarkable aurora occurred, and, simultaneously, a great magnetic disturbance. I have therefore inserted the record of the observations, though, in reference to the vertical force, the value of the differences on the scale was not ascertained.

The observations of the force instruments are uncorrected for temperature.

Göttingen time	h. 22* 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
0	631.3	641.6	643.6	652.	677.9	647.8	648.6	683.2	671.6	614.4	668.4	656.6	19 30
5	633.3	635.2	651.5	654.4	675.2	658.4	613.3	667.8	674.2	611.8	665.4	652.5	24 30
10	630.2	630.9	651.4	661.5	684.9	663.2	592.9	667.	668.9	615.7	664.8	651.2	29 30
15	628.2	641.3	654.3	665.	688.6	669.7	574.1	675.9	663.6	621.6	662.7	651 3	34 30
20	633.5	635.6	646.7	669.	685.8	671.2	559.6	684.4	666.8	629.4	663.3	651.	39 30
25	638.1	649.7	636.7	667.2	682.7	668.5	575.9	†680.3	659.5	635.2	668.1	650.4	44 30
30	634.9	652.1	651.7	680.2	670.8	667.5	617.4	653.4	662.5	639.5	671.8	648.8	49 30
35	634.8	639.7	632.8	681.4	666.3	671.2	645.2	654.3	642.1	649.5	671.6	648.6	54 30
40	634.9	645.	638.7	684.4	668.6	666.	630.1	668.8	635.7	653.2	668.9	648.1	59 30
45	635.1	651.6	643.9	685.3	670.1	639.4	628.7	665.7	632.4	661.5	667.2	647.7	64 30
50	639.9	634.9	645.3	677.2	661.4	635.5	649.4	668.8	621.	666.2	664.2	645.9	69 30
55	646.6	628.4	647.1	675.9	652.9	651.8	671.6	670.5	617.1	667.4	661.2	643.6	74 30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
0	642.7	644.5	647.2	.....	640.7	629.8	627.	621.8	620.	625.1	622.9	634.6	19 30
5	644.9	644.	647.4	653 1	637.2	628.	627.	618.9	620.7	625.7	630.9	.....	24 30
10	646.5	642.	651.3	653.3	637.8	.....	625.6	620.8	620.6	625.8	630.8	634.1	29 30
15	647.7	640.4	648.8	652.7	639.2	625.3	624.9	621.2	621.1	621.4	631.7	633 6	34 30
20	649.4	642.1	650.3	651.3	643.7	624.1	620.7	620.6	621.	626.8	631.8	635.6	39 30
25	650.5	643.3	650.4	649.8	641.9	622.4	621.2	619.8	620.7	.....	631.1	646.7	44 30
30	649.9	642.7	652.4	648.1	639.9	624.1	621.6	620.7	622.	626.7	631.5	640.1	49 30
35	650.4	644.3	.....	646.6	634.6	625.	621.7	621.4	622.8	628.2	630.9	634.5	54 30
40	648.3	644.9	653.1	645.4	633.2	625.9	621.8	624.3	623.2	628.	633.2	638.	59 30
45	646.4	648.5	653.3	645.6	632.5	627.3	621.1	620.4	623.3	628.6	631.3	641.4	64 30
50	646.2	648.7	656.8	643.6	629.3	626.5	622.7	619.9	623.8	629.3	633.1	646.5	69 30
55	644.6	650.6	655.3	642.7	630.	627.9	622.5	621.	624.8	629.5	635.5	652.	74 30

In a subsidiary building. Augmented value of one division, 0′.345.
Increasing readings correspond to decreasing declination.

* 10 P. M. Göttingen time, civil reckoning.
† 1 minute 1 second too slow.

Göttingen time	h. 22 16	h. 23 17	d. 0 18	d. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
2 30	495.6	457.1	581.1	673.	704.6	766.2	796.	713.4	688.5	717.6	632.	607.1	22
12 30	516.4	478.6	624.1	669.9	732.9	794.5	865.5	740.2	657.	678.2	622.5	613.	32
22 30	517.0	462.9	628.	701.4	744.2	788.3	*off.	688.2	662.7	.....	617.8	612.8	42
32 30	.....	462.4	650.3	722.1	751.7	748.3	1002.7	697.5	721.5	650.2	606.4	616.8	52
42 30	.....	543.4	674.1	686.7	722.4	738.8	878.	682.7	777.4	647.4	608.5	615.6	2
52 30	555.7	542.5	679.8	705.6	718.4	789.5	762.1	686.2	.....	643.4	609.4	617.8	12
Thermometer	79.6	78.6	77.3	75.9	75.2	74.1	.....	72.2	71.5	71.8	68.8	67.6	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
2 30	612.0	610.7	610.5	659.6	667.2	697.9	660.9	591.9	577.9	548.2	540.5	500.1	22
12 30	613.5	601.6	601.8	662.9	654.7	690.1	655.	581.4	574.8	548.3	538.4	509.6	32
22 30	604.8	605.2	597.	682.7	690.2	690.9	654.1	579.4	564.5	551.	538.5	521.2	42
32 30	606.9	603.7	606.3	665.7	671.9	692.4	641.8	578.	559.3	553.1	547.3	529.9	52
42 30	609.9	606.4	631.5	657.9	670.3	685.3	627.5	574.7	555.1	551.	536.7	539.3	2
52 30	609.4	604.4	651.	663.1	688.6	671.8	610.8	578.6	551.2	544.6	513.4	531.4	12
Thermometer	68.1	68.2	68.5	68.6	68.6	69.4	70.4	71.5	72.8	73.9	75.2	76.8	Thermometer.

Instrument as in June.

* Arranged a subsidiary scale.

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
7 30	— 76.6	—401.7	—825.6	—127.6	+183.3	+986.7	.....	.....	.....	....	....	+154.7	22
17 30	— 90.4	—523.4	—702.	—127.	174.5	1106 4	.....	.....	.....	....	....	139.1	32
27 30	— 93.1	—761.6	—475.4	— 55.1	431.5	955.2	.....	.....	.....	....	....	120.3	42
37 30	—182.7	—928.9	—233.4	— 68.7	510.4	890.4	.....	.....	.....	....	....	115.1	52
47 30	—195.	—780.1	—192.7	— 54.2	503.5	Out of field.*	.....	.....	.....	....	....	150.8	2
57 30	—289.2	—834.	—106.6	+ 81.	572.	.....	.....	.....	.....	....	....	118.4	12
Thermometer...	77.	77.	77.1	77.9	81.	82.	.....	.....	.....	....	....	77.9	Thermometer.

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
7 30	+ 58.7	+ 98.8	+134.9	+109.1	+93.8	+68.1	—18.6	—57.5	—40.1	—46.2	—40.3	— 78.4	22
17 30	77.3	103.8	153.3	139.6	72.4	24.4	—44.	—54.9	—35.1	—50.4	—51.2	— 96.4	32
27 30	134.	103.9	146.2	138.4	67.4	15.2	—43.7	—48.5	—29.8	—47.7	—56.7	—102.1	42
37 30	91.9	137.5	127.1	131.2	46.6	15.8	—43.6	—42.2	—41.2	—49.7	—51.8	— 27.5	52
47 30	157.1	142.6	115.7	129.9	27.6	23.4	—52.1	—41.2	—49.	—45.6	—55.7	— 79.1	2
57 30	79.4	141.2	117.1	110.8	45.9	6.6	—56.1	—42.1	—48.8	—43.6	—61.5	— 58.9	12
Thermometer...	76.	75.9	76.2	76.1	76.	76.	76.1	76.3	76.1	76.3	76.5	76.7	Thermometer.

* The disturbance having carried the needle out of the field, the sensibility of the instrument was diminished by lowering the centre of gravity. As the twilight faded, an aurora became visible. In the course of the display, there were moving pillars, flashes from a low segment of light in the north, and a beautiful arch nearly or quite at right angles to the magnetic meridian. Pillars of aurora from 9*h.* 18*m.* to 10*h.* 2*m.*, varying in brightness and position; low segment of light to north, continued throughout the appearances; 10*h.* 5*m.*, an arch forms from east to west; streamers of light, varying in brightness, fading and reappearing from 10*h.* 20*m.* to about 11*h.* 10*m.*; the brightest flashes at 11*h.* 6*m.* See general notes.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time. m.	s.
m.														
0	636.1	638.	639.4	640.	642.2	640.1	644.6	645.2	645.	645.9	647.1	648.6	19	30
5	634.2	638.9	638.5	641.2	641.9	642.9	643.6	645.5	645.2	645.7	647.1	648.	24	30
10	634.3	638.5	639.3	642.	640.6	642.6	643.5	646.8	646.	646.5	647.5	648.5	29	30
15	633.6	639.3	640.9	641.9	639.	642.6	643.8	647.6	645.1	646.5	647.8	648 6	34	30
20	634.6	639.	641.1	642.	638.6	641.6	644.3	648.2	645.3	646.3	647.8	649.3	39	30
25	632.4	640.3	641.5	642.5	639.	641.6	647.8	649.	645.3	646.5	647.6	646.5	44	30
30	634.7	639.	642.	642.9	639.	643.2	650.3	648.7	645.2	647.1	648.1	649.1	49	30
35	635.2	637.9	642.	643.4	636.7	643.1	652.5	.....	645.3	646.7	648.1	649.4	54	30
40	634.9	640.	641.8	643.5	636.2	644.	652.7	647.1	645.3	646.9	648.1	649.4	59	30
45	635.1	641.	641.3	643.7	639.8	645.	650.8	645.9	645.5	647.6	648.2	649.2	4	30
50	635.2	640.9	640.7	644.5	640.4	645.3	648.5	645.6	645.7	647.	648.1	650.1	9	30
55	635.8	639.4	640.7	643.9	641.9	645.2	645.7	645.1	645.8	647.1	648.6	649.7	14	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time. m.	s.
m.														
0	649.9	652.9	656.3	652.4	647.8	645.8	642.3	642.2	638.1	631.7	629.7	628.7	19	30
5	.....	653.2	653.8	654.	647.1	646.5	641.7	639.8	637.6	631.7	629.9	628.9	24	30
10	650.4	653.4	653.9	653.7	646.2	646.2	641.1	638.4	636.9	630.7	629.8	629.	29	30
15	648.8	654.1	655.7	652.6	646.1	645.1	641.1	641.4	636.	630.3	630.3	629.7	34	30
20	651.1	654.	653.7	651.8	646.3	645.2	640.7	640.4	635.4	630.4	630.5	629.8	39	30
25	651.6	653.4	653.7	651.4	646.2	644.9	641.2	639.3	634.6	630.5	629.6	629.7	44	30
30	651.4	655.5	652.4	651.7	646.4	643.8	640.5	639 1	634.4	629.9	629.	629.3	49	30
35	651.5	655.6	652.7	651.	646.4	643.5	641.2	639.2	634.2	629.9	628.5	629.5	54	30
40	652.	653.7	653.4	651 1	646.6	643.4	641.	638.3	633.8	629.9	629.	629.5	59	30
45	651 5	655.1	653 1	650.4	645.5	642.6	641.2	637.8	633	629.7	628.1	629.6	4	30
50	652.5	655.1	653.	646.7	645.8	642.5	641.	638.4	632.5	630.2	625.7	629.5	9	30
55	652.9	653.6	652.7	648.3	645.3	643.3	641.1	639.1	632.2	630.4	628 9	630.4	14	30

NOTE.—The declinometer is a subsidiary one, in a building near the observatory.
Angular value of one unit of the scale, 0′.345.
Increasing readings correspond to a decreasing declination.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
2 30	657.1	664.5	666.4	668.	665.6	671.8	671.3	660.2	662.7	653.5	647.1	643.2	22
12 30	662.3	663.3	663.7	666.9	671.7	673.6	641.8	662.8	658.5	653.1	646.7	641.2	32
22 30	664.1	655.2	657.7	665.5	676.7	674.9	638.6	662.4	657.9	650.5	646.1	640.3	42
32 30	663.2	653.9	660.1	664.6	672.6	678.8	641.7	661.2	656.8	649.6	644.4	640.1	52
42 30	659.8	656.1	658.9	661.	670.8	680.2	649.1	662.3	655.9	648.2	644.4	638.1	2
52 30	663.6	660.9	663.9	657.4	670.8	677.3	652.3	662.1	654.8	648.5	644.3	638.9	12
Thermometer	83.	83.5	83.2	81.2	78.4	76.8	75.9	75.7	75.2	74.7	74.2	73.8	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
2 30	638.4	631.8	630.6	639.8	649.3	656.3	677.2	680.8	675.5	691.	680.7	677.7	22
12 30	637.2	631.	631.8	639.9	652.	660.	679.2	671.5	679.4	686.2	679.2	664.5	32
22 30	636.5	629.1	632.9	641.3	653.3	664.6	680.	676.1	687.5	693.9	677.	663.3	42
32 30	635.2	628.9	634.3	643.1	653.5	668.	679.9	677.7	686.7	692.7	683.9	661.9	52
42 30	633.9	628.4	634.5	645.	654.2	670.4	678.9	677.9	691.9	693.4	675.	679.4	2
52 30	633.5	629.5	637.4	646.6	655.6	671.8	681.1	672.1	687.1	683.6	677.3	676.4	12
Thermometer	73.3	73.9	74.9	75.9	77.3	78.9	79.9	81.2	82.5	83.7	84.9	85.8	Thermometer.

Value of the unit of the scale, = 0.000,140.
Approximate correction for 1° Fahrenheit, = 3.2 divisions of scale.
Increasing readings correspond to a decreasing force.

Göttingen time....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
7 30.....	407.2	439.5	460.8	464.3	421.4	487.2	582.4	602.2	519.7	561.6	544.3	553.9	27
17 30.....	433.5	459.	460.4	517.3	538.5	546.1	565.2	588.2	536.7	553.4	541.9	548.6	37
27 30.....	498.7	445.7	464.8	491.8	509.8	531.7	597.2	594.	548.2	555.9	547.6	546.	47
37 30.....	390.5	446.6	455.4	450.	546.7	563.8	588.5	556.	555.7	546.3	547.7	550.5	57
47 30.....	474.2	457.5	456.2	480.1	499.9	536.4	607.4	507.4	550.5	554.6	547.	547.6	 7
57 30.....	424.5	456.3	456.7	503.9	550.9	513.2	574.5	511.9	558.7	558.8	547.5	577.8	17
Thermometer.....	82.1	82.5	81.9	81.8	82.6	81.9	82.1	82.5	83.	82.5	82.	82.	..Thermometer.

Göttingen time....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
7 30.....	552.9	505.	488.7	513.9	412.	499.7	488.1	487.4	496.3	492.3	488.6	530.8	27
17 30.....	540.3	490.3	509.4	471.5	463.7	493.9	493.9	489.2	485.4	488.6	485.1	502.	37
27 30.....	550.8	516.1	499.4	464.2	472.5	493.5	494.8	487.	494.4	491.9	492.7	500.4	47
37 30.....	547.4	529.9	509.1	467.7	478.6	497.6	493.2	490.2	489.4	491.5	512.1	512.3	57
47 30.....	558.6	528.7	497.8	464.6	493.	491.4	492.1	495.	495.9	494.6	493.5	516.1	 7
57 30.....	512.5	507.4	495.2	462.5	493.5	499.	493.7	490.7	489.6	488.1	497.2	518.6	17
Thermometer.....	81.5	81.	81.	82.	82.	82.	82.	82.	82.1	82.5	84.	84.	..Thermometer.

Value of the unit of the scale, 0.000,016.

Corrections for 1° Fahrenheit, 3.12 divisions of micrometer.

The apparent position of the north end of the needle is registered +; when apparently above the fixed line, +; when apparently below, —. Increasing + readings correspond to an increase of force.

Göttingen time..	h. ...22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
m.													m. s.
0	.....	491.7	493 6	494.2	496.9	495.2	501.7	510.7	508.2	492.3	515.	516.7	.....19 30
5	.....	492.2	493.7	494.	496.8	496.3	506.9	509.1	508.9	495.9	517.1	509.9	.....24 30
10	.....	492.	492.6	494.5	496.1	496.7	513.2	506.6	509.1	500.4	519.7	508.9	.....29 30
15	.....	492.6	492.7	494.6	494.9	496.8	521.4	505.2	509.6	504.6	519.9	508.6	.....34 30
20	.....	492.9	492.2	495.1	494.	496.6	527.4	506.4	510.1	507.1	522.6	508.8	.....39 30
25	488.8	493.1	492.3	496.2	493.9	496.8	529.3	506.1	509.5	506.2	520.5	508.8	.....44 30
30	489.2	492.9	492.7	497.	493.5	497.3	524.	504.2	507.6	503.3	520.9	507.8	.....49 30
35	489.3	493.2	492.5	496.4	494.7	498.4	519.1	505.4	501.3	502.1	520.9	505.9	.....54 30
40	490.	493.4	493.2	496.2	.....	498.4	515.	503.9	500.4	501.5	520.	505.1	.....59 30
45	490.5	493.	492.5	496.2	493.6	499.5	512.	505.3	498.5	505.2	520.	506.	..... 4 30
50	490.8	493.5	493.1	495.5	494.3	499.3	510.3	504.6	495.1	507.7	518.1	507.	..... 9 30
55	491.2	493.9	493.7	496.	494.5	502.2	511.2	506.7	498.7	511.2	515.7	507.3	.....14 30

Göttingen time..	h ...10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	..Observatory time.
m.													m. s.
0	507.2	509.	515.8	520.2	507.5	496.6	496.1	493.4	485.9	485.8	485.9	487.9	.....19 30
5	506.5	508.5	515.4	520.6	505.4	495.2	495.1	494.6	485.4	485.7	485.7	488.	.....24 30
10	507.2	510.	516.7	518.3	498.8	493.4	493.9	495.5	486.	485.8	486.3	488.5	.....29 30
15	507.1	511.7	515.1	518.	503.3	492.4	493.9	494.2	486.	485.2	486.9	488.9	.....34 30
20	508.3	512.3	514.6	516.4	502.6	492.4	493.3	493.6	486.	485.1	487.6	489.2	.....39 30
25	507.3	511.8	516.4	516.5	492.8	493.3	494.8	493.	485.6	484.7	487.5	489.5	.....44 30
30	508.6	511.2	515.7	514.6	502.4	494.9	495.	491.9	485.5	484.5	487.4	490.	.....49 30
35	507.6	513.1	516.1	518.	498.	493.6	494.7	490.6	485.5	484.5	487.3	490.4	.....54 30
40	509.2	512.7	516.	511.5	501.6	494.4	493.7	489.2	485.3	486.7	486.9	490.6	.....59 30
45	509.	512.6	515.6	510.5	497.1	495.8	492.2	487.9	485.5	486.5	487.3	490.4	..... 4 30
50	508.2	513.8	517.3	509.2	497.5	495.9	491.6	487.3	485.6	486.	487.2	490.8	..... 9 30
55	508.5	515.2	516.9	508.5	498.	495.5	492.1	486.8	485.7	486.	487.5	491.	.....14 30

All the instruments in the observatory.
Increasing readings correspond to decreasing declination.

Angular value of one division of the scale, 0′.453.

Göttingen time....	h. ...22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
2 30.....	779.9	785.	800.4	795.1	786.7	787.1	815.	855.	855.8	826.	815.1	836 3	22
12 30.....	778.4	786.7	800.1	794.5	791.	787.8	835.8	860.	854.6	811.	822.5	826.8	32
22 30.....	776.5	788.2	797.8	794.3	794.7	791.5	824.1	862.8	854.7	800.2	832.4	818.	42
32 30.....	777.6	793.4	798.4	792.7	792.7	793.8	827.7	853.7	825.5	805.2	841.8	805.	52
42 30.....	779.9	796.	797.4	790.	787.1	796.	832.1	848.9	823.2	807.8	846.3	803.4	 2
52 30.....	784.	798.1	797.5	790.2	785.2	797.8	839.6	855.2	819.4	807.9	847.7	805.7	12
Thermometer.....	81.6	81.6	81.1	80.	79.	78.	77.5	77.5	76.8	76.6	75.5	75.	..Thermometer.

Göttingen time....	h. ...10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
2 30.....	807.7	784.	779.9	795.8	829.6	815.4	824.5	828.1	834.8	831.1	811.5	793.8	22
12 30.....	805.	782.8	781.1	799.5	828.5	814.6	833.3	831.2	836.	824.9	809.2	790.7	32
22 30.....	798.6	777.2	783.	802.3	825.3	812.5	835.9	833.2	833.8	819.3	800.	787.4	42
32 30.....	*799.7	775.6	782.1	805.	831.8	814.1	822.5	828.	833.8	818.7	799.7	783.3	52
42 30.....	790.2	773.4	783.1	816.1	825.2	822.1	818.8	832.7	832.8	816.	799.5	779.8	 2
52 30.....	787.6	774.	788.3	824.8	828.9	820.7	822.8	834.3	826.9	814.3	797.9	776.4	12
Thermometer.....	74.5	74.	74.5	74.5	75.7	76.5	77.	77.5	78.	78.	77.5	77.	..Thermometer.

* Three minutes late.

Value of the unit of scale, 0.000,040, in terms of the horizontal force. Correction for 1° Fahrenheit, 3.2 divisions of the scale. Increase of reading corresponds to a decrease of force.

Observations of vertical force not to be relied on.

Göttingen time..	h. ...22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	..Observatory time. m.	s.
m.														
0	491.3	517.7	490.8	488.7	499.	562.4	526.	524.3	492.	514.	499.6	514.5	19	30
∞ 5	490.9	511.5	488.9	488 5	501.	555.	523.3	524.7	513.8	530.6	493.3	510.2	24	30
10	490.5	508.	486.	488.3	507.8	562.6	510.9	506.7	540.2	544.7	492.7	511.9	29	30
15	488.1	505.	483.1	491.2	521.6	560.7	499.7	492.6	537.5	550.3	491.2	512.8	34	30
20	490.1	498.3	478.1	487.4	549.7	554.3	486.6	485.1	524.7	539.7	492.7	511.9	39	30
25	493.6	491.9	477.8	483.8	573.1	555.6	495.7	493.7	515.7	533.5	496.1	512.7	44	30
30	503.5	486.5	479.	488.	594.5	533.8	510.2	495.9	518.2	527.1	498.1	512.5	49	30
35	512.3	486.6	481.7	493.2	612.3	505.6	507.9	524.8	522.7	521.9	505.2	511.6	54	30
40	523.8	488.1	483.	496.9	620.4	507.2	498.3	537.2	509.2	513.5	510 2	512.	59	30
45	533.	492.6	485.2	495.5	600.6	518.7	500.1	519.4	492.2	519.8	512.3	513.9	4	30
50	528.2	497.3	487.	494.7	576.6	529.3	505.4	525.1	482.9	529.1	515.9	514.2	9	30
55	523.6	494.1	485.5	495.8	565.8	527.4	515.8	505.1	501.1	514.1	514.6	509.3	14	30

Göttingen time..	h. ...10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time. m.	s.
m.														
0	512.4	508.7	521.9	532.2	516.4	497.1	485.8	478.7	477.7	480.6	484.3	487.2	19	30
5	513.6	512.9	514.7	531.9	513.1	496.	484.1	473.7	477.4	481.	485.	487.5	24	30
10	514.4	511.4	524.1	530.6	513.3	494.6	484.	478.8	478.	481.8	485.1	487.6	29	30
15	512.1	514.3	525.9	530.8	515.3	493.9	483.9	479.1	478.7	481.8	486.	487.8	34	30
20	512.4	516.6	525.8	531.7	517.7	492.9	482.8	477.8	478.4	482.4	486.	488.8	39	30
25	512.4	520.7	515.4	528.2	508.9	492.2	482.	477.	479.	483.1	487.	488.7	44	30
30	511.3	519.	526.8	525.4	505.8	493.2	481.3	478.1	478.1	483.	487.	489.3	49	30
35	509.	518.2	528.7	522.5	503.9	491.5	480.9	478.	479.1	482 9	492.	494.6	54	30
40	508.7	513.9	529.8	519.9	503.4	491.7	481.2	478.	479.4	483.3	497.9	490.	59	30
45	506.	511.9	529.9	518.1	502.2	489.8	481.	478.	479.7	483.2	485.4	490.3	4	30
50	506.2	522.	529.5	518.8	499.6	486.9	482.2	477.2	480.1	483.	487.5	490.5	9	30
55	506.9	520.8	531.	518.1	498.1	486.1	478 9	477.9	480.3	483.4	487.	490.8	14	30

No change in the instruments.

An aurora appeared at 20*h.* 39½*m.* (observatory time) in N. N. E.; disappeared at 21*h.* 19½*m.*; reviving at 21*h.* 59½*m.*; at 22*h.* 9½*m.*, streamers moving from E. to W.; light continued in N.; streamers again in N.E. at 22*h.* 59½*m.* and at 1*h.* 14½*m.*; after which, the aurora was not observed. See, also, remarks on the horizontal force observations.

Göttingen time....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
2 30.....	829.4	865.2	901.6	868.8	895.4	836.	929.2	1024.7	1015.8	1083.	896.7	965.5	22
12 30.....	835.6	866.9	903.9	855.9	809.1	847.1	913.1	1069.6	951.8	1056.8	907.9	973.	32
22 30.....	850.	902.4	905.5	887.	941.	788.6	1003.2	1044.7	942.4	1049.1	954.4	959.	42
32 30.....	852.5	919.2	894.6	832.5	896.7	754.4	989.	1016.6	977.7	1038.1	980.3	950.6	52
42 30.....	877.4	890.4	886.4	844.2	767.9	905.8	1019.1	901.9	961.	955.6	971.5	940.	 2
52 30.....	845.6	866.9	876.4	877.1	819.	924.7	1039.6	893.1	1047.4	843.6	966.4	942.5	12
Thermometer.....	77.	78.	77.7	77.	76.6	76.	76.2	74.5	73.4	72.9	72.2	71.8	..Thermometer.

Gottingen time....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
2 30.....	943.1	927.3	923.2	906.1	922.4	945.7	924.5	908.	889.9	868.3	855.3	833.6	22
12 30.....	946.6	924.2	923.2	909.1	933.2	944.3	923.2	904.	883.5	864.2	859.6	815.	32
22 30.....	938.1	919.4	923.4	909.9	931.7	942.3	916.2	908.4	888.	856.2	857.7	865.1	42
32 30.....	923.3	908.8	920.6	908.3	928.9	939.2	914.2	899.7	880.9	851.8	834.8	870.9	52
42 30.....	922.9	928.9	911.7	917.1	937.3	931.3	912.1	896.7	871.7	853.2	795.1	854.5	 2
52 30.....	934.1	920.5	911.6	924.2	942.1	930.2	905.3	895.	868.7	857.4	822.6	859.9	12
Thermometer.....	71.1	71.2	71.7	71.9	72.1	73.	74.	75.	76.	76.7	77.5	78.1	..Thermometer.

Note.—The observed numbers of the horizontal force instrument have been corrected, the mirror having been deranged on the 27th of August. See note to horizontal force, daily observations, for August, 1840.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
7 30	0.7	3.1	— 33.7	— 90.	— 76.4	—352.9	—433.8	—342.3	—108.6	—383.4	—150.8	—57.6	27
17 30	— 0.7	— 0.9	— 37.4	— 76.	— 85.	—371.9	—413.7	—420.9	—265.1	—374.4	—135.7	—16.5	37
27 30	8.1	—44.6	— 78.	— 84.6	— 41.9	—400.9	—386.	—216.5	—307.6	—319.5	—176.8	— 0.5	47
37 30	28.8	—16.1	— 70.1	—109.5	— 97.9	—488.9	—458.8	— 37.8	—307.3	—291.2	—176.3	17.4	57
47 30	6.5	—69.4	— 52.3	—117.9	—225.7	—348.	—398.5	— 70.9	—343.2	—167.7	—196.8	56.4	7
57 30	53.6	—12.5	—104.6	— 99.8	—218.8	—407.5	—366.3	—232.4	—365.4	—155.8	—144.2	57.9	17
Thermometer	77.	77.3	77.8	77.6	77.5	77.2	76.8	76.	75.7	76.	75.7	75.8	Thermometer.

Gottingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
7 30	59.3	56.1	50.7	58.2	34.7	89.1	11.7	10.3	—12.2	— 5.1	—28.2	—29.6	27
17 30	32.7	56.2	27.3	61.2	50.2	38.5	30.1	— 6.4	6.7	6.	— 9.9	—47.7	37
27 30	19.8	60.3	26.1	57.7	45.4	32.5	— 4.7	—41.	— 3.7	13.9	—30.	—49.5	47
37 30	62.6	61.	147.4	76.9	28.2	18.4	9.	—16.6	— 0.8	—12.5	—42.3	—52.8	57
47 30	46.1	69.	87.1	44.5	68.5	8.4	19.8	4.	6.5	—21.1	—31.	—53.9	7
57 30	20.9	69.1	44.6	16.2	60.7	—11.6	32.7	9.7	31.5	—28.8	—13.6	—35.9	17
Thermometer	74.1	74.6	74.	73.8	73.8	75.	75.3	76.2	76.5	77.2	78.	78.5	Thermometer.

Note.—The *fixed* hair of the right hand microscope was moved by one of the observers on the July term day, and the observed numbers from that date to September 12th, inclusive, have been corrected for the error thus occasioned.

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
m.													m .s.
0	507.2	509.	480.6	484.	502.9	489.6	481.	486.4	485.2	483.4	483.5	489.4	.....19 30
5	508.	504.4	480.6	485.2	500.2	490.4	487.	487.4	484.	480.6	483.8	487.4	.....24 30
10	511.1	498.2	482.2	486.3	505 3	488.3	487.6	487.6	482.8	478.2	483 2	485.6	.....29 30
15	510.9	495.2	481.7	490.4	500.7	484.9	481.7	489.6	485.5	477.6	485 3	482.	.....34 30
20	511.5	492.5	481.4	492.4	496.9	484.	489.2	489.7	481.4	477.1	485.7	480.5	.....39 30
25	512.1	490.8	482.2	496.4	499.2	483.5	480.9	487.	482.8	474.4	486.4	477.	.....44 30
30	517.6	489.8	483.5	497.3	501.2	484.5	482.4	484.8	485.4	475.9	487.	474.7	.....49 30
35	522.	485.8	482.5	499.6	496.7	483.9	480.6	484.5	482.6	478.5	486.9	474.9	.....54 30
40	526.7	482.6	481.7	508.2	493.9	477.3	478.6	486.9	476.	478.9	486.8	475.6	.....59 30
45	525.1	481.1	481.5	511.7	493.2	473.7	479.1	488.1	474.8	479.9	487 9	474.	..... 4 30
50	520.2	480.7	481.5	513.4	491.9	473.8	481.2	486.7	477.	479.6	490.4	472.3	..... 9 30
55	513.7	480.4	482.1	509.2	490.2	470.2	484.8	485.5	481.	482.1	490.5	470.8	.....14 30

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	..Observatory time.
m.													m. s.
0	472.6	455.8	476.7	461.3	488.1	476.1	471.	472.1	474.2	475.6	477.8	498.6	.....19 30
5	472.1	460.4	467.8	461.7	483.	472.7	468.2	472.1	473.6	473.9	479.5	496.2	.....24 30
10	472.6	465.1	468.1	465.5	480.8	469.1	469.3	473.4	473.9	475.	480.8	497.2	.....29 30
15	470.5	471.7	469.2	466.6	479.7	468.	467.9	474.6	474.1	473.9	481.6	491.4	.....34 30
20	467.9	471.7	465.3	469.2	483.6	470.9	465.2	474.3	474.4	475.	482.8	491.2	.....39 30
25	464.2	472.1	460.5	474.1	483.5	470.	465.9	473.6	474.4	475.9	487.4	489.9	.....44 30
30	460.4	474.6	459.	478.1	486.1	468.3	462.7	473.6	475.2	474.6	490.9	488.6	.....49 30
35	459.5	473.2	457.7	480.5	486.5	466.2	463.	473.9	475.3	473.7	492.3	486.9	.....54 30
40	456.4	472.3	459.	483.7	484.6	465.8	464.1	473.9	475.1	474.8	493.8	486.9	.....59 30
45	455.5	472.7	461.5	486.4	482.3	467.4	469.	473.8	474.3	475.1	495.2	487.7	..... 4 30
50	452.1	468.5	462.7	488.2	481.8	469.5	472.1	475.	473.	476.2	497.6	488.1	..... 9 30
55	453.9	466.1	461.3	487.2	476.1	469.5	471.9	474.4	473.2	476.9	498.7	488.3	.....14 30

No change in the instrument.

Göttingen time ...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
2 30	841.7	908.2	873.4	854 5	838.4	876.3	838.8	844.	880.8	867.	846.4	855.3	22
12 30	865 9	897.3	859.3	869 1	852.8	878.6	813.2	854.7	868.6	873.2	852.4	871.9	32
22 30	892.3	893.4	863.2	878.4	860.5	881.5	821.8	849.3	862.6	869.9	850.8	888.4	42
32 30	890.4	881.6	852.3	867.	851.7	.....	813 1	866.7	855.5	864.8	842.5	896.4	52
42 30	878.5	877.4	861.6	836.3	857.3	855.5	821.8	875.5	872.5	855.7	839.9	906.9	2
52 30	898.1	875.3	861.7	809.5	867.8	851.7	832.6	879.6	868.1	853.6	842.5	894.2	12
Thermometer	64.5	64.8	65.	65.	64.7	64.3	63.6	63.2	62.8	62.	61.6	60 9	Thermometer.

Göttingen time ...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
2 30	877.5	824.9	853.6	861.2	883.9	935.3	927.6	898.2	877.9	882.2	864.3	839.4	22
12 30	868.3	831.	858.7	847.3	907.5	903.7	928.6	893.8	870.8	882.3	864.2	862.1	32
22 30	860.6	822.7	860.	849.7	913.1	926.3	938.9	878.4	870.7	871.8	878.1	866.1	42
32 30	860.5	824.7	867.5	847.	907.4	902.8	925.1	871.5	870.6	881.5	863.3	871.	52
42 30	840.	830.2	862.4	845.6	902.9	915.4	929.6	873.9	873.3	891.4	882.1	856.4	2
52 30	823.5	853.1	858.2	859.9	927.5	932.7	914.1	879.5	884.6	884.2	851.	867.9	12
Thermometer	60.4	60.	60.	60.	60.	61.	62.	63.	64.5	66.	67.	68.	Thermometer.

No change in the instrument.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
7 30	280.3	248.7	151.8	113.3	100.2	129.7	133.	120.1	132.2	172.6	201.	125.	27
17 30	180.	228.5	139.4	123.1	121.5	84.6	157.3	79.2	114.1	249.4	210.8	135.5	37
27 30	210.9	208.8	138.	115.5	130.1	83.5	139.3	81.6	110.	246.3	188.4	138.3	47
37 30	235.1	162.5	95.9	139.8	122.3	108.	136.5	95.7	154.4	243.9	200.6	146.8	57
47 30	246.6	175.	86.6	139.3	145.9	150.1	101.	132.7	107.6	202.8	194.5	68.7	7
57 30	280.1	165.7	97.3	63.3	126.5	146.2	107.2	75.	126.	179.	194.5	32.3	17
Thermometer	65.3	66.5	67.	67.	67.	67.	66.5	65.8	65.5	64.7	64.5	63.8	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
7 30	103.9	58.3	.....	— 8.9	199.	150.1	149.3	128.1	44.3	127.4	78.1	48.9	27
17 30	172.7	57.6	160.6	132.6	110.8	135.7	121.3	178.9	79.5	103.2	67.4	14.2	37
27 30	162.8	124.2	78.2	143.1	167.1	148.	156.8	125.6	197.	51.9	10.2	7.4	47
37 30	164.5	97.2	42.1	— 38.	147.	188.5	117.9	109.4	103.9	48.6	34.2	96.4	57
47 30	60.6	30.2	— 31.5	164.	116.3	118.1	154.8	88.5	107.4	58.7	93.	44.	7
57 30	106.1	2.8	0.4	156.1	156.2	156.2	130.5	98.3	49.4	95.7	33.1	— 13.5	17
Thermometer	63.2	62.8	65.	63.	62.4	62.6	63.4	64.7	66.	67.	68.2	69.4	Thermometer.

No change in the instrument.

Göttingen time...	h. ...22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	..Observatory time. m.	s.
m.														
0	460.7	469.6	465.4	488.4	473.4	476.3	495.2	472.7	477.1	474.7	479.5	454.7	19	30
5	461.	466.	468.7	482.6	473.5	472.1	491.	469.1	477.4	474.8	475.2	457.3	24	30
10	461.	467.4	469.2	482.7	474.2	470.3	485.2	471.1	477.5	474.2	474.	462.	29	30
15	461.	468.7	469.7	480.8	475.	468.7	481.4	476.5	477.2	473.9	472.8	464.1	34	30
20	461.3	471.8	473.5	481.7	474.3	470.9	467.7	480.8	477.4	475.6	466.8	466.5	39	30
25	460.2	469.8	479.2	480.6	472.2	474.8	454.5	481.1	477.1	475.9	464.7	469.1	44	30
30	461.5	468.8	478.9	479.7	472.6	477.9	447.4	480.7	477.2	477.1	462.7	469.9	49	30
35	466.3	469.2	473.9	479.4	474.7	478.3	454.4	479.	476.6	478.3	462.1	470.1	54	30
40	471.5	468.3	478.3	478.3	477.6	477.9	461.9	477.9	477.2	478.9	461.5	471.8	59	30
45	477.	*465.1	484.6	477.	478.5	477.4	469.1	477.8	475.9	479.2	459 3	475.	4	30
50	475.9	465.	487.	477.	482.6	477.5	471.5	477.7	475.3	478.9	458.1	474.5	9	30
55	471.7	465.2	485.7	474.8	478.5	488.2	471.9	478.	475.5	479.8	455.2	474.3	14	30

Göttingen time...	h. ...10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time. m.	s.
m.														
0	473.7	474.9	479.	480.9	484.2	480.1	472.8	462.4	466.7	466.9	464.5	464.7	19	30
5	473.1	474.5	475.5	482.5	484.4	478.9	471.4	462.	464.9	466.8	464.9	464.1	24	30
10	472.	475.1	477.	482.3	486.7	478.4	468.7	462.1	465.2	467.4	464.1	464.7	29	30
15	472.3	474.5	477.6	483.	485.7	476.8	466.8	462.	466.	467.8	464.3	465.2	34	30
20	472.9	474.4	478.2	480.8	486.1	476.6	466.6	463.5	465.6	468.	464.1	466.1	39	30
25	473.3	475.	478.	482.5	485.4	475.9	467.6	463.8	464.2	467.6	464.1	466.1	44	30
30	473.	475.5	478.9	483.8	486.6	472.3	466.5	464.3	465.1	466.5	463.9	467.	49	30
35	473.6	475.8	478.7	483.1	486.1	471.1	467.5	464.1	467.7	466.9	464.	468.	54	30
40	473.9	475.1	479.	484.4	485.2	472.3	466.7	464.4	467.6	466.	463.9	468.4	59	30
45	474.4	475.9	478.6	484.8	482.3	473.8	466.4	465.4	468.7	465.8	463.9	468.8	4	30
50	474.7	476.	479.7	484.3	482.7	473.7	465.3	466.5	468.1	465.9	463.7	469.9	9	30
55	474.8	477.3	479.8	485.6	481.6	472.5	464.5	467.7	467.5	464.6	463.5	470.7	14	30

No change in the instrument. * Two minutes late.

Göttingen time....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
2 30.....	897.7	872.5	893.7	888.8	890.8	872.3	830.8	872.1	876.2	875.1	868.5	861.4	22
12 30.....	889.1	890.5	888.7	890.1	904.8	881.2	817.3	897.9	882.	874.5	880.3	847.9	32
22 30.....	899.9	867.1	888.1	889.1	909.6	897.2	808.3	890.9	886.4	877.	891.	844.4	42
32 30.....	898.5	870.	896.	884.6	910.5	896.2	879.1	885.4	881.6	877.1	885.4	847.7	52
42 30.....	893.5	875.5	887.3	884.2	894.6	897.7	881.2	884.1	883.7	872.9	896.4	855.1	2
52 30.....	874.2	883.8	876.5	886.1	872.1	872.4	869.3	876.5	880.4	871.2	877.9	847.8	12
Thermometer.....	62.	62.3	62.7	63.	63.	63.	63.2	63.5	63.7	63 6	63.3	63.1	..Thermometer.

Göttingen time....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
2 30.....	853.6	848.4	840.4	851.3	848.7	879.1	931.6	924.4	887.1	853.4	862.2	874.9	22
12 30.....	858.8	845.	847.7	848.4	849.3	890.3	938.7	932.7	879.	855.2	861.7	870.	32
22 30.....	855.1	840.9	844.4	852.1	846.3	892.6	947.	911.2	879.1	850.4	862.	861.5	42
32 30.....	853.4	840.4	847.	850.1	860.1	895.2	934.9	913.1	878.2	855.1	864.7	855.3	52
42 30.....	853.5	843.7	846.7	848.1	883.6	904.4	928.1	912.4	862.7	856.5	869.2	854.3	2
52 30.....	849.2	849.4	848.3	849.6	870.1	919.4	935.9	886.5	856.6	860.	868.	857.4	12
Thermometer.....	62.8	62.	61.	60.9	60.4	59.7	59.	58.8	58.5	58.6	58.7	58.9	..Thermometer.

No change in the instrument.

Göttingen time....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
7 30.....	201.3	164.	129.	33.6	31.2	3.	—127.7	—171.	—109.7	— 99.7	—125.5	—187.4	27
17 30.....	195.2	161.4	123.8	46.4	38.7	1.2	—166.4	—142.7	—128.4	—114.8	—123.1	—202.7	37
27 30.....	199.1	151.8	119.8	39.2	41.3	3.7	—228.2	—116.2	—147.	—115.5	—125.4	—195.2	47
37 30.....	205.8	148.2	118.3	35.2	39.4	—11.2	—217.	—112.3	—102.5	—121.1	—177.	—169.4	57
47 30.....	206.3	*143.5	109.7	36.7	— 0.7	—26.2	—206.4	—108.4	—109.9	—120.3	—198.	—150.	7
57 30.....	183.8	133.3	47.8	31.2	—18.8	—83.1	—188.3	—105.1	—101.7	—127.3	—189.2	—127.2	17
Thermometer.....	62.6	68.8	64.5	65.	65.	65.3	66.	66.	66.	.....	.....	.....	..Thermometer.

Göttingen time....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
7 30.....	—110.5	—81.7	—38.5	—21.4	48.9	42.9	81.9	121.9	120.2	88.4	79.5	85.2	27
17 30.....	—101.5	—60.5	—36.7	—13.7	50.6	40.9	90.2	126.7	113.7	99.6	82.6	91.9	37
27 30.....	—116.7	—70.3	—35.	—13.6	48.7	53.3	97.2	124.	109.6	97.6	83.7	90.3	47
37 30.....	— 81.8	—56.9	—27.8	52.8	45.1	53.4	109.1	119.7	100.5	99.7	82.4	99.9	57
47 30.....	— 79.5	—54.	—18.6	46.5	46.9	65.3	119.5	126.5	94.5	89.6	91.2	112.2	 7
57 30.....	— 80.4	—58.1	—23.3	51.1	44.4	71.5	123.8	124.8	89.3	89.4	85.4	111.2	17
Thermometer.....	.....	.....	.....	63.7	62.	61.5	60.5	60.	60.	60.	60.3	60.8	..Thermometer.

No change in the instrument.

* Two minutes late.

Göttingen time..	h. ...22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	..Observatory time.	
m.													m.	s.
0	454.	458.3	456.9	460.5	462.4	461.5	460.9	461.3	459.7	461.9	462.5	462.1	19	30
5	454.	458.8	456.5	461.	463.1	460.8	461.5	460.8	460.3	461.7	462.7	462.6	24	30
10	453.2	459.9	457.1	461.4	462.	460.9	461.6	460.9	460.6	461.8	463.6	463.7	29	30
15	452.7	459.	457.6	462.2	462.1	459.6	461.9	460.3	461.1	461.5	462.9	464.	34	30
20	451.6	458.9	458.1	462.3	461.7	461.3	460.8	461.3	461.6	461.2	464.3	464.9	39	30
25	451.3	458.7	458.5	462.3	461.4	460.4	461.9	460.3	462.5	461.8	464.4	463.1	44	30
30	451.5	458.8	459.7	462.1	462.	460.9	461.2	460.5	461.5	462.	463.	465.4	49	30
35	452.	459.	460.5	462.5	462.4	461.3	461.9	461.4	461.2	461.9	462.4	466.2	54	30
40	452.6	459.6	460.	462.8	461.9	461.	461.1	460.9	462.4	462.3	460.	467.	59	30
45	453.2	459.8	459.5	462.2	461.9	460.7	461.4	461.2	462.5	462.1	461.	465.4	4	30
50	456.	459.	459.4	463.	461.1	460.6	461.7	460.6	462.1	462.5	462.1	465.5	9	30
55	456.1	458.2	459.7	462.6	461.	460.8	461.4	460.2	462.	463.	461.6	466.	14	30

Göttingen time..	h. ...10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.	
m.													m.	s.
0	467.3	463.5	465.6	468.4	466.4	466.4	454.4	455.9	453.5	445.1	448.2	447.1	19	30
5	466.5	461.6	464.8	466.9	468.1	467.3	456.4	456.3	452.6	445.5	448.9	447.7	24	30
10	464.3	459.5	465.	466.5	472.	464.6	455.9	457.2	452.8	446.3	449.	448.9	29	30
15	463.5	460.1	465.2	465.6	472.5	464.	455.8	456.8	453.1	446.	449.	449.3	34	30
20	463.	461.1	466.3	466.	471.5	459.7	457.2	457.1	453.6	446.2	449.5	450.4	39	30
25	463.3	460.5	465.1	467.1	470.5	457.2	456.2	455.8	452.8	445.1	449.5	452.3	44	30
30	464.5	463.2	465.6	467.4	469.4	457.2	455.4	456.4	451.2	445.4	449.9	452.9	49	30
35	465.6	465.5	466.7	467.7	470.	456.6	455.4	455.7	452.1	445.5	450.1	453.7	54	30
40	467.8	464.8	467.6	467.6	468.6	456.5	454.8	454.6	447.3	445.9	450.7	455.	59	30
45	468.	463.4	467.5	466.6	467.8	456.8	452.9	453.7	445.5	446.	450.4	455.2	4	30
50	467.5	466.2	467.9	466.5	467.7	453.9	453.9	453.5	444.1	446.9	449.7	457.3	9	30
55	464.5	466.	466.9	467.	467.5	453.4	454.1	454.2	444.5	447.5	448.2	457.8	14	30

No change in the instrument.

Göttingen time....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
2 30.....	773.3	790.1	781.7	786.2	786.	.....	789.4	803.4	802.2	793.	792.	789.1	22
12 30.....	778.6	787.	777.6	787.3	787.9	794.3	794.4	804.6	801.	793.5	793.1	787.2	32
22 30.....	784.7	785.1	777.5	787.7	790.7	790.5	800.1	803.	798.1	796.5	793.1	785.1	42
32 30.....	792.7	778.2	776.8	788.2	785.4	794.8	799.8	804.9	801.8	790.7	795.4	791.	52
42 30.....	792.8	774.	780.1	787.7	790.3	793.1	803.6	803.2	796.	791.4	797.5	786.3	 2
52 30.....	791.2	772.7	787.2	785.8	786.2	793.3	798.7	805.1	792.	789.4	792.3	786.9	12
Thermometer.....	.....	.....	41.	41.3	41.1	41.	40.5	40.4	40.1	40.	.....	.....	..Thermometer.

Göttingen time....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
2 30.....	789.6	793.3	785.8	781.	801.3	843.5	840.2	823.9	810.	862.3	828.3	833.	22
12 30.....	787.3	794.1	786.	784.9	807.6	846.9	832.3	820.4	812.8	851.4	832.1	831.6	32
22 30.....	787.2	788 6	786.7	798.5	807.6	861.2	838.5	815.4	833.5	844.5	835.4	830.2	42
32 30.....	790.3	786.	788.9	798.3	815.1	872.4	839.1	809.2	844.	848.1	831.7	827.4	52
42 30.....	795.3	778.3	786.2	796.2	825 8	870.9	843.2	804.2	852.3	845.9	828.3	824.8	 2
52 30.....	793.1	783.5	783.	793.5	836.6	853.4	832.2	810.8	861.2	833.7	825.5	815.6	12
Thermometer.....	.....	.....	39.9	39.9	39.9	39.5	40.	40.5	41.	42.	43.	45.	..Thermometer.

No change in the instruments.

Göttingen time.....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
7 30.....	450.1	365.6	386.8	315.4	296.7	393.7	404.2	339.1	426.5	381.7	387.6	376.7	27
17 30.....	447.2	378.9	335.5	314.8	310.3	389.3	401.2	329.6	419.4	389.6	379.7	374.8	37
27 30.....	411.3	372.4	312.9	298.2	309.9	385.8	400.9	344.2	406.1	386.8	383.3	360.3	47
37 30.....	430.4	380.9	311.4	306.8	317.4	386.5	323.5	307.1	416.2	387.2	333.1	393.6	57
47 30.....	391.4	380.3	314.	299.3	312.3	394.5	319.5	348.2	406.5	384.1	327.	381.8	 7
57 30.....	388.7	377.9	310.8	324.6	391.2	401.7	319.8	334.5	398.5	383.9	377.2	368.2	17
Thermometer.....	42.	43.7	44.	44.2	44.2	44.	44.	43.8	43.	43.4	43.3	43.2	..Thermometer.

Göttingen time.....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
7 30.....	378.4	391.8	379.1	408.1	442.1	449.2	452.1	398.2	389.7	347.1	370.8	274.	27
17 30.....	396.7	378.7	382.8	404.8	445.8	437.4	421.5	392.9	380.6	369.6	363.4	274.4	37
27 30.....	381.	373.8	384.7	420.8	440.6	432.	420.5	407.6	383.	369.	363.8	259.7	47
37 30.....	381.	368.1	387.6	422.9	446.2	428.1	383.2	401.1	387.2	369.2	326.6	258.9	57
47 30.....	385.4	369.8	402.	428.1	439.7	426.5	399.3	388.	395.8	366.3	286.7	252.8	 7
57 30.....	395.2	379.4	406.9	435.5	398.2	423.8	399.5	392.4	383.6	375.1	279.4	259.1	17
Thermometer.....	43.2	43.2	42.5	42.	41.8	42.	42.	42.6	43.1	44.1	45.2	45.8	..Thermometer.

No change in the instruments.

Gottingen time...	h. ...22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	..Observatory time.	
m.													m.	s.
0	436.	434.8	435.3	454.3	446.5	454.	454.2	449.1	454.3	439.7	449.	447.8	19	30
5	435.	436.2	435.8	460.6	438.	447.2	453.1	450.9	455.1	445.7	448.1	448.	24	30
10	435.2	440.9	438.9	462.3	433.8	446.8	450.1	453.2	455.6	449.2	446.6	446.9	29	30
15	435.1	442.4	439.8	458.8	429.8	454.6	450.2	454.9	457.7	448.7	446.3	447.4	34	30
20	433.9	441.7	439.7	455.7	432.2	461.8	449.4	455.	457.9	450.9	447.8	448.8	39	30
25	435.7	441.1	441.5	452.	439.7	461.4	450.5	455.	455.	450.6	449.6	449.3	44	30
30	434.9	436.7	439.5	456.5	441.9	460.	449.3	454.7	448.1	449.7	449.4	448.9	49	30
35	435.	435.8	437.	460.1	439.8	454.9	447.8	453.6	443.9	447.5	447.8	449.3	54	30
40	435.1	438.4	436.9	459.1	442.7	454.1	447.3	454.5	441.	447.6	447.9	449.8	59	30
45	435.	441.6	438.5	452.	447.6	455.6	447.3	454.3	437.2	448.	451.	449.5	4	30
50	433.8	439.6	440.2	451.5	452.	459.3	447.8	453.8	432.8	449.	450.	449.8	9	30
55	433.4	435.8	444.1	450.7	453.9	456.2	448.3	454.2	434.8	448.3	448.4	449.3	14	30

Göttingen time..	h. ...10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.	
m.													m.	s.
0	449.1	446.5	444.9	453.1	453.2	455.	450.	446.9	440.	440.1	437.	442.5	19	30
5	449.6	446.6	444.3	454.1	452.8	449.2	449.	446.2	441.3	441.7	437.7	442.5	24	30
10	451.1	445.1	446.1	457.1	455.9	450.6	452.1	447.7	440.1	441.7	437.6	442.	29	30
15	453.5	444.1	450.1	456.	456.	452.	450.	446.2	441.2	443.8	437.9	442.6	34	30
20	455.7	441.2	449.9	452.3	459.1	453.7	448.4	445.4	440.4	443.5	439.4	444.7	39	30
25	454.5	441.5	449.5	455.2	459.	452.7	449.6	444.1	438.7	442.5	438.8	445.7	44	30
30	452.	443.7	446.8	457.9	456.4	453.1	449.1	444.3	438.8	441.9	439.	446.8	49	30
35	447.1	447.5	446.1	455.2	453.4	454.5	449.4	443.3	439.5	441.3	437.	446.5	54	30
40	444.1	444.6	446.	454.3	453.8	453.8	449.5	444.1	439.9	440.5	438.1	446.5	59	30
45	445.	442.8	448.	450.3	453.2	453.1	448.8	441.6	441.1	440.	438.8	446.2	4	30
50	446.2	443.5	449.7	450.8	456.1	452.4	447.9	442.3	439.8	439.6	439.5	445.8	9	30
55	447.3	444.2	451.5	451.2	461.5	449.7	448.2	441.5	438.8	438.1	441.9	445.7	14	30

No change in the instruments.

Göttingen time....	h. ...22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
2 30.....	830.3	862.4	832.2	849.5	853.1	857.8	869.6	*858.4	870.2	854.3	847.2	843.6	22
12 30.....	838.3	849.	826.7	821.9	864.8	868.	860.8	858.4	853.9	859.2	850.9	840.5	32
22 30.....	841.7	840.7	829.5	833.1	867.4	853.3	856.5	867.9	827.5	862.5	843.9	844.9	42
32 30.....	836.8	838.7	832.2	849.1	853.4	870.6	850.3	867.	816.1	857.3	842.7	839.9	52
42 30.....	846.3	842.2	848.2	837.6	879.5	890.5	852.9	868.3	822.4	851.3	848.1	842.8	 2
52 30.....	855.1	819.9	847.4	846.7	878.3	873.8	854.	.....	847.	848.3	844.7	844.1	12
Thermometer.....	32.2	31.4	33.	33.	33.	32.6	32.5	.....	32.5	32.5	32.4	32.5	.. Thermometer.

Göttingen time....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
2 30.....	846.4	849.	841.3	831.6	822.2	840.2	857.1	867.9	875.6	884.3	861.6	892.5	22
12 30.....	849.9	852.	845.6	826.9	828.3	847.9	863.6	865.9	882.3	882.5	860.1	881.1	32
22 30.....	848.9	859.	835.9	818.7	837.1	850.9	861.8	871.	884.2	868.	878.5	867.3	42
32 30.....	848.2	856.8	835.	829.7	827.4	857.3	864.	864.2	894.	871.3	870.7	851.5	52
42 30.....	853.8	858.	840.4	825.8	833.5	857.9	864.6	869.8	892.1	866.	885.2	847.4	 2
52 30.....	846.3	846.1	835.5	.....	842.	863.6	863.4	869.9	891.1	859.1	894.4	848.6	12
Thermometer.....	32.7	32.6	32.7	.....	32.8	33.5	34.	35.	35.1	36.1	37.1	37.7	.. Thermometer.

* Five minutes late.

Göttingen time....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
7 30.....	649.2	606.1	616.1	654.5	670.6	710.9	730.2	.....	648.4	553.6	604.	608.7	27
17 30.....	643.	619.8	622.4	643.8	687.5	692.1	722.4	650.3	634.8	543.8	611.1	607.5	37
27 30.....	630.4	622.8	622.2	632.8	699.3	687.6	694.6	656.4	589.2	569.9	604.9	589.3	47
37 30.....	623.1	619.8	631.3	642.6	690.5	700.8	680.6	649.2	.....	582.1	612.7	616.	57
47 30.....	617.2	621.5	646.3	642.2	714.5	732.7	679.8	637.2	550.9	592.7	603.4	608.1	 7
57 30.....	612.8	613.6	651.9	651.6	692.7	743.3	660.6	645.5	553.1	604.4	611.6	613.7	17
Thermometer.....	34.8	36.	36.2	36.	36.	36.	35.3	35.6	35.	35.2	35.1	35.2	..Thermometer.

Göttingen time....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
7 30.....	602.9	590.3	611.	636.5	602.7	622.2	616.4	595.2	593.3	570.2	569.4	542.1	27
17 30.....	590.3	605.5	605.3	620.	600.8	608.6	602.7	595.7	587.2	567.2	560.7	536.8	37
27 30.....	593.8	606.9	614.6	616.7	619.	616.4	610.7	599.	592.9	557.4	557.6	539.6	47
37 30.....	596.7	611.4	617.2	647.	615.8	621.3	615.9	591.	580.	557.7	555.3	548.4	57
47 30.....	583.1	611.4	615.9	609.1	623.6	616.7	614.5	587.5	574.5	560.8	544.5	543.2	 7
57 30.....	591.9	609.8	619.1	600.3	616.5	624.6	606.7	589.6	576.9	571.1	517.9	540.2	17
Thermometer.....	35.2	35.1	....	....	35.	....	35.1	35.8	36.2	36.9	37.8	38.4	..Thermometer.

NOTE.—The time of oscillation of the bar of this instrument in the magnetic prime vertical was, in February, 1841, 12.08 seconds at the temperature of 31°.5 Fahrenheit. In July, 1840, the time of one oscillation was 11.25 seconds at 70° Fahrenheit; both observations being made in the same building, near the observatory.

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

ORDINARY METEOROLOGICAL OBSERVATIONS,

FROM JUNE TO DECEMBER, 1840.

GENERAL NOTES.

The time in which the observations are recorded is according to the civil reckoning—the hours being, for convenience, carried forward to twenty-four. The meteorological observations are taken just after the regular magnetic observations, which brings them to nearly twenty-five minutes after the even hours of observatory time, or about six minutes after the even hours of Göttingen time.

The barometer is a cistern barometer, by Fortin, No. 8. The tube is about a quarter of an inch in diameter; the scale of brass divided according to the metre and its subdivisions. It was found to stand, 0.487 millimetre higher than the standard barometer at the Paris observatory. The cistern is — feet above mean tide at the Schuylkill water works. The corrections used for capillarity and temperature are from the report of the Committee of Physics of the Royal Society of London.

The thermometers for the temperature of the air and for the evaporating point are by Greiner, of Berlin, forming Auguste's psychrometer. They are divided on porcelain to half degrees. The scales are enclosed in exterior glass tubes. The bulbs are about four feet above the ground. The instruments are enclosed on the sides by wooden screens, with inclined slats, painted white. An exterior screen further serves to keep off direct and reflected heat.

The force of vapor is calculated from Professor Apjohn's tables, and the table of the force of vapor in the report of the Committee of Physics.

The dew point is observed by Daniel's hygrometer, made by Greiner, of Berlin, and having a gilded band about the bulb, to receive the deposite of moisture.

Saussure's hygrometer, by Fortin, is for comparison. The scale, when first put up, marked less than 90° in air containing the maximum of vapor at about 70° Fahrenheit.

The direction and force of wind and the quantity of rain are taken from a self-registering wind and rain gauge, by Osler, of Birmingham, made by the inventor. The force of the wind is reckoned in pounds to the square foot. The omissions in these columns are from the uncertain action of the instrument when first put up. The extent of sky covered is given in eighths, by estimation. Howard's nomenclature of clouds is used. The direction from which the clouds named are moving is stated.

The following abbreviations are used: Cl. for clear; Cly. for cloudy; Ci. for cirrus; Cu. for cumulus; Ci-cu. for cirro-cumulus; S. for stratus; Ci-s. for cirro-stratus; Ci-cu. for cirro-cumulus; Cu-s. for cumulo-stratus; N. for nimbus; Fl. for flying or rapidly moving clouds; Hor. for horizon; Exc. for except. The points of the compass are marked by the usual abbreviations.

Date.*			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Sausseure's.	Wind.		Rain, inches.†	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
1	0	25	....	.....	.....	....	....	....	.....	....	.....	....	..	..	Dark clouds in *N.* Hor. [clouds in *N.*
	2	25	....	.....	.....	....	....	....	.....	....	.....	....	..	..	Clear, Exc. few Cu. in *S.* & *SW.*, with dark
	4	25	....	.....	.....	....	....	....	.....	....	.....	....	..	..	Clear, Exc. dark Cu. in *N.*
	6	25	....	.....	.....	....	....	....	.....	....	.....	....	..	..	
	8	25	22.7	759.80	29.800	70.2	....	....	.....	76.	.....	....	..	..	Ci. in Hor. *N.* & *E.*
	10	25	24.	759 35	29.776	74.6	66.9	.574	.....	74.	.....	....	..	..	Clear.
	12	25	26.3	758.50	29.733	79.9	68.3	.560	.....	72.1	.....	....	..	..	Clear.
	14	25	28.5	759.90	29.777	83 7	69.7	.563	.....	64.5	.....	....	..	..	A little Ci-s. in *N.* Hor., and a few Cu. in *S.*
	16	25	30.	757.35	29.670	82.6	70.	.587	.....	67.4	.....	....	..	..	Cu-s., with N. in *N.* & *W.*
	18	25	28.	‡759.25	29.755	§77.5	65.3	.489	.....	....	.....	....	..	..	Cu.; (N.?) raining.
	20	25	25.	759.15	29.763	66.	65.1	.607	.....	77.8?	.....	....	..	..	Cu.N.; raining, with distant thunder in *NW.*
	22	25	25.	760.45	29.816	66.9	65.	.596	.....	83. ?	.....	....	..	..	N.; rain.
2	0	25	‖23 4	760.50	29.826	58.5	58.4	.496	.....	85.	.....	....	..	..	N.; rain.
	2	25	22.5	763.05	29 929	55.2	54.2	.421	.....	85.9	.....	....	..	..	N.; rain at intervals.
	4	25	21.	761.90	29.991	54 7	53.6	.410	.....	84.2	.....	....	..	..	N.; stormy, rain.
	6	25	19.8	763.15	29.946	54.5	54.	.421	.....	84.5	.....	....	..	..	N.; ceased rain.
	8	25	18.5	763.05	29.949	58.2	55.4	.418	.....	81.	.....	....	..	..	N.
	10	25	18.5	763.65	29.972	¶57.7	55.2	.418	.....	81.5	.....	....	..	..	N.
	12	25	17.8	764.05	29.992	58.3	55.1	.408	.....	81.	.....	....	..	..	N.
	14	25	17.3	763.50	29.971	57.2	55.9	.442	.....	82.	.....	....	..	..	N.; drizzling.
	16	25	16.8	763.30	29.966	57.1	54.	.392	.....	81.5	.....	....	..	..	N.; drizzling.
	18	25	16.1	762.60	29.942	54.4	53.4	.408	.....	87. ?	.....	....	..	..	N.; drizzling.
	20	25	16 9	763.30	29.966	54.5	54.2	.427	.....	87. ?	.....	....	..	..	N.; drizzling.
	22	25	16.8	761.90	29.912	56.5	56.5	.465	.....	85. ?	.....	....	..	..	N.; drizzling.

* The date is according to civil reckoning, the hours being counted from 0 to 24.
† Record of the quantity of rain for the month of June imperfect.
‡ Recorded 769.25.
§ Recorded 87.5, which gives force of vapor = .370.
‖ Recorded 28.4.
¶ Recorded 67.7.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
3	0	25	16.9	760.75	29.866	58.1	58.1	.491	.....	84.9?	.....	....	..	..	N.; raining.
	2	25	18.1	760.00	29.831	*61.	†60.5	.526	.....	85. ?	.....	....	..	..	N.; raining very hard.
	4	25	17.4	759.45	29.812	63.5	63.2	.580	.....	84.6?	.....	....	..	..	Cu.
	6	25	17.7	759.40	29.808	64.2	63.6	.584	.....	85.1?	.....	....	..	..	Sky clear; slight mist.
	8	25	18.7	759.15	29.794	67.4	66.5	.638	.....	85. ?	.....	....	..	..	
	10	25	19.8	758.90	29.780	67.3	65.8	.617	.....	85. ?	.....	....	..	..	Overcast; clouds breaking away.
	12	25	21.	758.10	29.741	69.8	67.4	.642	.....	84.5?	.....	....	..	..	Sky covered; thunder.
	14	25	21.	757.50	29.718	68.5	67.	.642	.....	85.5?	.....	....	..	..	N.; raining fast.
	16	25	21.	756.95	29.697	65.5	64.7	.602	.....	86.3?	.....	....	..	..	N.; rain hard and incessant.
	18	25	20.9	756.55	29.683	64 1	63.5	.580	.....	86.9?	.....	....	..	..	N.; rain hard and incessant.
	20	25	20.8	755 95	29.660	63.5	63.4	.586	.....	86.8?	.....	....	..	..	N.; rain hard and incessant.
	22	25	20.2	755.95	29.665	63.2	62.8	.569	.....	86.8?	.....	....	..	..	N.; rain hard at intervals.
4	0	25	20.5	754.40	29.601	62.6	62.5	.566	.....	87.5	.....	....	..	..	Dark; raining.
	2	25	20.1	753.80	29.580	63.2	63.1	.579	.....	87.	.....	....	..	..	Dark; very little rain.
	4	25	19.9	753.25	29.558	64.	63.9	.596	.....	87.1	.....	....	..	..	Sky clear; thick fog.
	6	25	20.	753.30	29.560	66.	65.9	.637	.....	87.	.....	....	..	..	Clear.
	8	25	20.3	753.05	29.549	67.6	66.9	.651	.....	86.8	.....	....	..	..	Heavy thunder shower.
	10	25	20.	753.90	29.584	60.6	60.6	.532	.....	....	.....	....	..	..	Thunder storm.
	12	25	21.	752.85	29.538	62.2	62.	.557	.....	....	.....	....	..	..	Rain; heavy and steady.
	14	25	21.	752.45	29.522	64.8	64.2	.596	.....	81.8?	.....	....	..	..	Rain; not so fast.
	16	25	20.2	752.65	29.535	64.2	63.5	.579	.....	82.5	.....	....	..	..	Rain; Cu. and N. floating.
	18	25	20.2	752.50	29.529	63.8	62.2	.545	.....	83.1	.....	....	..	..	Rain; Cu. and N. floating.
	20	25	20.2	753.45	29.566	63.6	62.9	.570	.....	87.2	.....	....	..	..	N. Cu. floating.
	22	25	20.5	753.65	29.571	63.7	62.1	.541	.....	87.	.....	....	..	..	Clear; N. Ci.; Ci-s. in Hor.

* Recorded 60.5. † Recorded 61.5.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Date.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
5	0 25	19.7	753.55	29.572	61.9	61.2	.533	.....	87.	.....	....	..	..	Some Cu. and Ci-cu.
	2 25	19.4	753.95	29.588	60.4	60.2	.525	.....	87.2	.....	....	..	..	Cu-ci.; Ci cu. in Hor.
	4 25	19.3	755.45	29.647	60.5	60.4	.531	.....	87.2	.....	....	..	..	Ci-cu.; fleecy, &c.
	6 25	19.4	756.50	29.688	62.6	60.5	.508	.....	85.	.....	....	..	..	Clear, Exc. Cu-s. in *S.* Hor.
	8 25	20.	757.00	29.704	65.5	59.7	.456	.....	76.	.....	....	..	..	
	10 25	20.8	757.70	29.729	68.5	65.2	.586	.....	75.	.....	....	..	..	Clear; a few Ci-cu.
	12 25	21.5	757.50	29.716	71.7	63.2	.490	.....	73.7	.....	....	..	..	Clear; some Ci-cu.
	14 25	23.8	758.20	29.732	75.3	63.8	.464	.....	68.7	.....	....	..	..	Cu. in N.
	16 25	25.4	758.90	29.752	77.3	64.9	.480	.....	67.8	.....	....	..	..	Floating Cu.
	18 25	25.5	758.55	29.738	72.9	65.2	.535	.....	69.3	.....	....	..	..	Clear; S. Ci-s.
	20 25	25.	758.80	29.751	63.	61.1	.521	.....	86.1	.....	....	..	..	Clear.
	22 25	23.8	759.90	29.799	60.9	59.5	.498	.....	86.8	.....	....	..	..	Clear.
6	0 25	22.9	759.95	29.807	60.	59.5	.508	.....	88.5	.....	....	..	..	Clear.
	2 25	22.3	759.50	29.791	59.	58.9	.505	.....	88.5	.....	....	..	..	Cu. over head, with a few drops of rain.
	4 25	21.7	759.50	29.794	57.2	57.	.471	.....	89.	.....	....	..	..	Ci-cu. in Hor.
	6 25	20.9	760.40	29.833	66.3	64.6	.588	.....	82.3?	.....	....	..	..	Cu., with some Ci.
	8 25	22.	759.65	29.797	73.7	69.	.650	.....	78.3	.....	....	..	..	
	10 25	23.6	759.95	29.803	74.7	68.2	.615	.....	76.5	.....	....	..	..	Cloud'g over with Cu., & Ci-cu. Ci. in *W.*
	12 25	27.1	759.70	29.775	79.7	69.5	.602	.....	72.7	.....	....	..	..	Ci-cu.; Cu-s. Ci-s.
	14 25	28.3	759.05	29.744	82.	72.	.666	.....	72.2	.....	....	..	..	Cloudy, with Ci-s. and Ci-cu.
	16 25	28.1	757.90	29.702	81.5	71.5	.653	.....	72.1	.....	....	..	..	Ci-s.; S. with N. in *W.*
	18 25	27.3	757.40	29.685	77.4	71.1	.682	.....	78.1?	.....	....	..	..	N. in *W.* and *NW.*; S. Ci. Ci-s.
	20 25	26.9	757.25	29.682	74.5	69.7	.665	.....	83.1?	.....	....	..	..	N.; Cu.; lightning.
	22 25	25.8	759.45	29.773	66.6	66.6	.650	.....	86.9?	.....	....	..	..	N.; heavy rain.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fahr.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
8	0	25	15.4	765.50	30.059	49.2	49.2	.362	.....	78.?	.....	....	..	..	Clear.
	2	25	15.1	765.60	30.066	47.	44.7	.264	.....	78.?	.....	....	..	..	Clear.
	4	25	14.2	766.45	30.105	46.6	43.6	.264	.....	80.	.....	....	..	..	Clear.
	6	25	13.9	767.00	30.127	48.6	45.2	.278	.....	79.3	.....	....	..	..	Clear.
	8	25	15.	767.80	30.153	55.	49.5	.303	.....	77.	.....	....	..	..	Clear, with some Ci. in *E*.
	10	25	15.7	767.90	30.154	59.1	51.	.293	.....	72.	.....	....	..	..	Clear, with a few Cu.
	12	25	17.2	767.35	30.124	62.	52.5	.298	.....	68.2	.....	....	..	..	Clear, with a few Cu.
	14	25	19.2	767.45	30.118	66.1	55.2	.322	.....	65.	.....	....	..	..	Clear, with Ci cu.
	16	25	20 3	767.65	30.122	68.8	55.9	.314	.....	62.5	.....	....	..	..	Clear, with Cu. Ci-cu.
	18	25	20.8	767.55	30.116	64.8	55.8	.352	.....	64.2	.....	....	..	..	Clear; Cu. and Ci-s. in *NE*. and *E*.
	20	25	19.2	767.90	30.136	57.5	54.1	.390	.....	64.5	.....	....	..	..	Clear.
	22	25	19.7	767.80	30.132	56.	53.1	.383	.....	84.9	.....	....	..	..	Clear; S. in *E*.
9	0	25	19.5	768.20	30.148	51.	49.9	.360	.....	85.	.....	....	..	..	Clear; Cu-s. in *S*.
	2	25	18.5	768.00	30.145	50.8	48.9	.369	.....	84.3	.....	....	..	..	Clear, with small N. *S*.
	4	25	17.6	768.55	30.170	49.4	47.7	.326	.....	84.7	.....	....	..	..	Clear; Cu. and Ci. in *SE*.
	6	25	16.6	769.15	30.198	54.5	51.2	.351	.....	80.8	.....	....	..	..	Clear; S. and Cu. in *SSE*.
	8	25	17.7	769.90	30.223	63.	57.	.404	.....	75.5	.....	....	..	..	Clear.
	10	25	18.5	770.05	30.225	66.	58.2	.405	.....	70.2	.....	....	..	..	Clear, with very few light Cu. Ci-s. in *SE*.
	12	25	21.	769.90	30.207	70.	58.1	.354	.....	63.5	.....	....	..	..	Clear, with very few light Cu. Ci-s. in *SE*.
	14	25	22.5	769.50	30.184	71.7	60.6	.407	.....	63.5	.....	....	..	..	Clear, with S. and Ci-s.
	16	25	23.8	769.45	30.175	72.7	59.1	.352	.....	60.8	.....	....	..	..	Light and fleecy; S. and Ci-s.
	18	25	23.6	769.85	30.193	70.9	60.8	.419	.....	62.5	.....	....	..	..	Light and fleecy; S. and Ci-s.
	20	25	21.2	769.80	30.203	61.5	57.6	.438	.....	80.8	.....	....	..	..	Light and fleecy; generally clear.
	22	25	20 8	769.85	30.205	56.8	55.5	.437	.....	83.8	.....	....	..	..	Hazy, with S. and Ci-s.; ring around moon.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
10	0	25	21.2	769.60	30.195	54.6	53.5	.409	.....	84.	.....	....	..	..	Thin Cu. around moon; others like
	2	25	20.4	769.35	30.187	53 5	52.8	.402	.....	84.3	.....	....	..	..	Very dark clouds. [streamers in the *N.*
	4	25	20.2	769.25	30.186	54.7	53.3	.402	.....	86.	.....	....	..	..	S. Cu. Ci.; Ci-s. around Hor.
	6	25	19.	*769.65	30.207	57.4	55 1	.418	.....	85.	.....	....	..	..	Great variety of clouds.
	8	25	20.3	770.00	30.213	69.2	61.7	.469	.....	74.	.....	....	..	..	Many Ci. clouds.
	10	25	22.1	769.80	30.197	72.3	62.7	.460	.....	68.5	.....	....	..	..	Clear, with Ci. and S.
	12	25	24.1	769.40	30.172	75.5	61.	.465	.....	66.	.....	....	..	..	Overcast, with Ci s.
	14	25	25.5	768.85	30.144	77.7	66.5	.520	.....	66.	.....	....	..	..	Nearly overcast with Ci-s.
	16	25	26.1	768.80	30.140	79.2	66.1	.490	.....	62.2	.....	....	..	..	Overcast with Ci s. and Cu.
	18	25	25.	767.30	30.085	72.5	67.1	.597	.....	77.8	.....	....	..	..	Cloudy, S.; Ci s and N.
	20	25	25.	767.75	30.103	65.6	63.1	.550	.....	84.2	.....	....	..	..	Overcast, N. and S.
	22	25	24.2	767.65	30.103	65.1	62.5	.537	.....	85.9	.....	....	..	..	Overcast, N. and Ci-s.
11	0	25	23.5	767.15	30.087	60.	59.6	.510	.....	88.5	.....	....	..	..	Cu. Ci.
	2	25	22.7	766.20	30.053	59.4	58.5	.488	.....	88.	.....	....	..	..	Overcast; apparently N.
	4	25	22.1	765.95	30.045	59.4	57.5	.460	.....	86.9	.....	....	..	..	Cu. Ci-s.; Cu.
	6	25	21.7	766.15	30.056	62.1	60.2	.507	.....	86.	.....	....	..	..	Clear, with fleecy Ci. Cu.
	8	25	22.5	766.35	30.060	72.5	64.7	.524	.....	74.5	.....	....	..	..	Thin clouds around Hor.
	10	25	25.6	766.15	30.037	77.5	65.	.473	.....	64.7	.....	....	..	..	Clear, with Ci-s. in *N.*
	12	25	27.5	765.35	29.996	80.2	64.	.411	.....	58.2	.....	....	..	..	Clear, with Ci and Ci-s.
	14	25	28.2	764.40	29.955	82.1	....	....	.....	59.5	.....	....	..	..	Clear, with a few Ci.
	16	25	29.	763.50	29.916	83.4	....	....	.....	60.3	.....	....	..	..	Cl., with fleecy Ci-s., S. [in *E.* Hor.
	18	25	29.	763.15	29.902	77.2	68.7	.604	.....	69.	.....	....	..	..	Cl.; fleecy clouds scattered; inclined to S.
	20	25	27.9	762.75	29.993	69.4	65.	.566	.....	79.3	.....	....	..	..	Clear; halo around moon; S. in *N.*
	22	25	26.6	762.60	29.992	68.9	62.6	.496	.....	81.	.....	....	..	..	Clear; fleecy in Hor.; inclined to S.

* Recorded 765.65.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fahr.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
12	0 25	25.9	761.90	29.869	62.6	60.5	.508	.....	82.6	.....	....	..	..	Clear; cloudless.
	2 25	24.7	761.00	29.839	66.	60.8	.477	.....	80.	.....	....	..	..	Clear; cloudless.
	4 25	24.	760.75	29.833	65.5	60.7	.481	.....	80.6	.....	....	..	..	Clear, with S. Cu. Ci. and fleece.
	6 25	23.7	761.00	29.843	70.2	63.6	.512	.....	77.1	.....	....	..	..	Clear; few fleecy scattered.
	8 25	25.2	761.35	29.850	76.7	67.6	.568	.....	73.5	NNW.	....	..	..	Clear; few Ci. clouds.
	10 25	26.1	761.05	29.834	79.8	69.5	.602	.....	72.2	NNW.	....	..	..	Clear; Ci. and Ci-s. in Hor.
	12 25	28.	760.85	29.818	80.5	68.2	.550	.....	66.7	N.	....	..	..	Clear; very few Ci. around Hor.
	14 25	29.1	760.25	29.788	85.1	68.	.486	.....	61.2	NW.	....	..	..	Clear; very few Ci. around Hor.
	16 25	30.7	759.50	29.751	86.5	71.	.574	.....	62.2	W.	....	..	..	Generally clear; clouds fleecy, with Ci-s.
	18 25	30.	759.35	29.748	80.9	72.	.685	.....	72.1	WSW.	....	..	..	Generally clear; light clouds over head; S. and Ci-s. in Hor. N. in *NNE*.
	20 25	28.3	757.85	29.698	75.6	71.5	.716	.....	79.3	SW. by W.	....	..	..	An arch of Ci-s. from *N.* to *S.*; N. in Hor. *NNE;* Ci-s. in *E.* Hor.
	22 25	28.5	758.80	29.635	73.4	70.5	.706	.....	81.8	SW.	....	..	..	Clear; a few Ci-s.
13	0 25	27.8	758.10	29.710	71.9	69.8	.694	.....	85.7	SW.	....	..	..	Clear; very light S. and Cu
	2 25	26.9	757.35	29.685	70.3	69.3	.697	.....	85.9	SW.	....	..	..	Clear; very light S. and Cu.
	4 25	26.4	756.90	29.670	72.	69.6	.688	.....	86.	SW. by W.	....	..	..	Clear; very light S. and Cu.
	6 25	26.4	757.00	29.674	73.5	69.7	.678	.....	82.5	SW. by W.	....	..	..	Clear; very light S. and Cu.
	8 25	27.2	757.00	29.669	80.7	72.5	.696	9 A. M.:	74.5	.....	....	..	..	Clear; thin clouds around Hor.
	10 25	28.8	757.20	29.669	83.7	71.8	.639	(D. 63.5)	69.	.....	....	..	..	Clear; numerous light Cu. and Ci-cu.
	12 25	28.1	757.40	29.681	81.8	71.8	.661	.....	69.5	W.	1	..	..	Cloudy; S. Ci-s.; Ci-cu.
	14 25	29.3	757.05	29.661	84.4	71.2	.608	3 P. M.:	67.	WNW.	1	..	..	Clear; beautiful Cu. and Cu-s. in *S.*
	16 25	29.9	757.45	29.674	84.5	70.3	.574	(D. 58.5)	64.8	WNW.	1	..	..	Clear; Ci s. and Cu.
	18 25	29.	758.40	29.715	80.2	69.8	.604	.....	68.4	WNW.	....	..	..	Clear; Cu.; fleecy; S. in *SSW.*
	20 25	26.2	759.50	29.773	71.3	69.	.678	9 P. M.:	75.	NNE.	....	..	..	Clear; Cu-s. in *SSE.*
	22 25	27.1	761.60	29.850	66.7	59.5	.433	(D. 57.7)	74.2	NNE.	....	..	..	Clear; Ci. Ci-cu.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
15	0 25	23.4	761.00	29.845	64.3	61.9	.530	.....	85.5	SSW.	....	..	..	N., moon nearly obscured.
	2 25	22.8	760.25	29.819	64.2	60.6	.493	.....	84.7	SW.	....	..	..	N.
	4 25	21 9	760.20	29.821	63.	60.6	.506	.....	87.	W.	....	..	..	N., Ci.; raining.
	6 25	22.	760.45	29.830	62.3	60.7	.517	9 A. M.:	87.3?	W.	....	..	..	N., Ci-cu.; raining.
	8 25	21.8	761.20	29.861	60.5	59.7	.507	(D. 53.5)	89.?	W.	....	.06	..	N.; raining.
	10 25	22.	761.45	29.869	60.6	58.2	.467	.....	87.	NE.	....	.18	..	Rain over; nearly clear in *N.*
	12 25	23.2	761.40	29.862	65.8	61.	.486	4 P. M.:	79.	N.	....	..	..	Sky lighter; 2. Cu. clouds.
	14 25	24.	760.85	29.837	69.5	62.7	.496	(D. 55.2)	74.	E.	....	..	..	Clear, with Cu. and Cu s.
	16 25	23.9	760.75	29.833	69.4	62.7	.494	.....	75.	SW.	....	..	..	Cloudy, N. and Cu.; cl. in *N.* [and *SE.*
	18 25	23.	760.75	29.838	66.	61.5	.498	9 P. M.:	80.8	WSW.	....	..	..	Clear; fleecy clds. over head; *N.* in Hor. *E.*
	20 25	21.9	760.95	29.851	68.5	57.6	.358	(D. 56.4)	89.2	WSW.	....	..	..	Clear; S. and Ci-s in *N.* and *SE.*
	22 25	21.6	762.45	29.910	56.8	56.8	.468	.....	90.?	WSW.	....	..	..	Clear; light fleecy clds.; heavy dew.
16	0 25	20.9	762.35	29.910	55.9	51.6	.345	3 A. M.:	79.5	N.	....	..	..	Clear, with a great variety of clouds.
	2 25	20.3	762.90	29.935	52.4	48.2	.303	(D. 51.)	77.5	N.	....	..	..	Clear; fleecy and Ci.
	4 25	19.2	763.50	29.963	50.6	47.	.296	.....	79.6	N.	....	..	..	Clear; variety of clouds.
	6 25	18.	764.20	29.997	54.9	50.7	.334	9 A. M.:	76.	N.	....	..	..	Clear; Ci-s. Cu. Fl.
	8 25	19.2	764.75	30.013	62.	53.1	.313	(D. 47.)	68.5	NNE.	....	..	..	Clear; few light Ci.
	10 25	20.	765.05	30.020	66.1	55.5	.332	.....	64.5	NE.	....	..	..	Clear; nearly cloudless.
	12 25	21.	764.85	30.008	68.5	56.9	.339	3 P. M.:	62.	NW.	....	..	..	Clear; few small Cu.
	14 25	22.8	764.55	29.986	71.8	56.9	.307	(D. 44.2)	59.	NW.	....	..	..	Clear; few small Cu.
	16 25	24.3	764.75	29.988	75.	58.7	.321	.....	56.5	WNW.	....	..	..	Clear; few small Cu. and Ci.
	18 25	25.5	765.15	29.997	68 9	60.	.420	9 P. M.:	65.5	W.	....	..	..	Clear; few small Cu. in *E.*
	20 25	22.5	765.20	30.014	62.3	57.	.412	(D. 48.9)	70.5	WSW.	....	..	..	Perfectly clear.
	22 25	22.6	766.15	30.052	57.5	55.	.414	.....	85.	WSW.	....	..	..	Perfectly clear.

Date.		Barometer.			Therm'rs, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Dir. points.	Force, lbs.	Rain, inches.	Sky covered, 8ths.	Clouds, &c.
	h. m.													
17	0 25	21.5	766.15	30.057	54.3	53.	.400	3 A. M.:	87.	WSW.	....	..	..	Clear.
	2 25	20.8	765.75	30.046	53.1	52.5	.400	(D. 54.)	87.	SSW.	....	..	..	Clear; slight cloud in *N.*
	4 25	19.9	766.55	30.080	50.	49.6	.363	.....	90.2	SW. by S.	....	..	..	Clear; few S. and Cu. in *N.*
	6 25	19.8	766.95	30.097	58.	55.7	.428	9 A. M.:	83.7?	SW. by S.	....	..	..	Clear; Cu-ci.
	8 25	20.7	767.25	30.104	68.	59.5	.419	(D. 52.5)	72.	WNW.	....	..	..	Clear.
	10 25	21.6	767.55	30.111	72.5	60.8	.405	.....	66.5	W.	....	..	..	Clear; Cu-s. Ci-s.
	12 25	23.5	767.15	30.086	73.5	61.8	.427	3 P. M.:	64.7	WSW.	....	..	..	Clear; light Cu. in Hor.
	14 25	25.3	766.95	30.071	76.5	62.5	.410	(D. 52.)	62.	SW.	....	..	..	Clear; many light Cu. Ci-s. over much [of the *S.*
	16 25	26.2	766.70	30.056	77.	63.2	.425	(A. 76.5)	60.4	SW.	....	..	..	Cloudy; Cu. in *S.* and *W.* Hor., and in *N.* and *NW.* Ci-s. and Ci. in *SW.*
	18 25	25.4	766.60	30.056	74.7	63.5	.459	9 P. M.:	65.2	SSW.	....	..	..	Clear; Cu-s. *SW.* Hor., Ci-s. in *E.*
	20 25	23.7	766.85	30.074	63.	57.7	.425	(D. 53.4)	78.	SSW.	....	..	..	Clear; a few light Ci-cu. in *W.*
	22 25	23.2	766.75	30.071	60.5	57.3	.440	.....	83.5	SSW.	....	..	..	Clear; Cu. Ci-cu.
18	0 25	....	.....	.....	....	....	....	3 A. M.:	....	S. by W.	....	..	..	
	2 25	21.3	765.25	30.022	54.4	53.9	.421	(D. 53.5)	88.6	SSW.	....	..	..	Clear ? Ci.; Cu.; Cu-s.
	4 25	20.8	765.25	30.023	56.9	55.5	.435	.....	88.8	S. by W.	....	..	..	Clear ? Cu.; Ci.
	6 25	20.5	764.60	29.999	61.3	59.2	.484	9 A. M.:	85.	S. by W.	....	..	..	Clear ? Ci-cu.; Fl.
	8 25	21.3	764.	29.973	67.	64.2	.570	(D. 57.)	84.	SSW.	1	..	..	Overcast.
	10 25	21.3	763.10	29.937	69.1	65.9	.601	.....	83.7	SSW.	1	..	..	O'rcast; heavy Cu-s.
	12 25	22.7	762.70	29.915	71.5	67.1	.609	3 P. M.:	82.2	SW.	....	..	..	Very dark clds; Ci-cu.; N. in *N.* & *W.*; [rain in *NW.* & *N.*
	14 25	20.8	761.25	29.867	65.7	62.4	.529	(D. 58.5)	82.	S.	....	.12	..	Overcast; heavy Cu-s. in *S.*
	16 25	22.	760.95	29.850	66.6	64.5	.583	.....	83.7	E.	....	..	..	Cloudy; rain at intervals.
	18 25	21.	760.30	29.829	65.7	64.	.577	9 P. M.:	86.5	E.	....	..	..	Raining steadily.
	20 25	20.9	759.20	29.786	63.8	63.2	.575	(D. 58.2)	88.5	NW.	....	.14	..	Dark and cloudy.
	22 25	21.	758.90	29.774	62.5	62.2	.559	.....	88.2	NW.	....	..	..	Dark and cloudy; Cu. Cu-s.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
19	0 25	20.6	758.30	29.752	62.8	61.2	.526	3 A. M.:	87.	W.	..	..	..	Dark; Nimbus; Cu.
	2 25	20.3	757.95	29.741	63.	61.2	.524	(D. 58.5)	84.	N.	1	.06	..	Nimbus; raining fast.
	4 25	19.	758.05	29.750	58.2	53.1	.356	.....	76.9	NNW.	1	..	..	Clear, with Cu. Ci.
	6 25	18.4	758.85	29.785	57.4	50.7	.306	9 A. M.:	72.8	NNW.	1	..	..	Clear; a few Fl. Cu. Ci.
	8 25	18.9	759.00	29.787	62.	53.5	.324	(D. 46.5)	69.5	NW.	1	..	..	Clear; a few light Cu. near *E.* Hor.
	10 25	19.3	758.10	29.750	65.5	53.5	.284	.....	61.7	WNW.	2	..	..	Clear; few small Cu.
	12 25	25.	757.45	29.698	68.3	54.5	.278	3 P. M.:	58.5	WNW.	3	..	..	Clear; many light Cu.; some Ci.
	14 25	21.5	756.85	29.690	70.2	56.2	.303	(D. 46.5)	58.2	WNW.	2	..	..	Clear; many large Cu.
	16 25	22.1	756.25	29.663	69.8	56.6	.316	(A. 73.)	59.5	WNW.	1	..	..	Cloudy; Cu.; Cu-s.
	18 25	19.6	756.20	29.674	63.	55.2	.359	9 P. M.:	70.3	NW.	1	..	..	Cloudy.
	20 25	18.6	756.50	29.691	62.5	53.8	.325	(D. 51.)	69.	NW.	2	..	..	Cloudy; raining occasionally.
	22 25	18.9	756.65	29.695	60.	53.4	.344	.....	74.	NW.	1	..	..	Dark and squally.
20	0 25	18.8	756.10	29.674	58.	53.2	.361	3 A. M.:	77.2	NW.	1	..	..	Generally clear; Cu. in *W.*
	2 25	17.7	755.15	29.642	56.9	51.1	.321	(D. 47.5)	76.5	W.	1	..	..	Clear ? Cu.; Cu-s.
	4 25	17.6	755.05	29.639	57.7	52.9	.358	.....	77.2	W.	1	..	..	Clear ? Cu. Ci.; Cu-s.
	6 25	17.4	754.10	29.603	56.	51.7	.347	9 A. M.:	77.	WNW.	1	..	..	Clear ? Ci-cu.
	8 25	17.8	754.20	29.605	62.	54.7	.358	(D. 46.5)	74.5	WNW.	2	..	..	Cloudy; Cu.; Cu-s.; and in *NE.* Ci-s.
	10 25	19.1	754.40	29.608	66.7	56.5	.350	(A. 65.)	72.	NW.	2	..	..	Overcast; heavy Cu.
	12 25	20.9	755.15	29.627	69.	58.4	.378	3 P. M.:	68.	NNW.	2	..	..	Overcast; Ci-cu.; Cu.
	14 25	21.2	755.80	29.652	68.9	58.6	.384	(D. 46.)	67.2	N.	2	..	..	Overcast; Ci-cu.
	16 25	20.2	756.50	29.683	66.6	57.6	.380	(A. 69.)	70.1	N. by E.	1	..	..	Overcast; Cu.; Cu-s.; small space clear in *W.* Hor.
								9 P. M.:						
	18 25	22.	757.40	29.710	65.2	56.8	.372	(D. 48.)	70.	N. by W.	2	..	..	Clear; Cu. and Ci. in *E.* Hor.
	20 25	20.6	758.	29.740	60.5	54.6	.369	.....	75.5	NNE.	..	..	..	Clear and cloudless.
	22 25	20.1	758.50	29.763	55.	52.8	.385	.....	83.5	NNE.	..	..	..	Clear, Exc. few clds. in Hor., *N.* and *W.*

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
22	0	25	22.8	759.40	29.785	62.8	61.2	.526	3 A. M.:	87.5	S.	....	..	..	Clear.
	2	25	22.2	758.50	29.752	60.2	58.5	.479	(D. 50.)	88.	S.	....	..	..	Clear.
	4	25	21.5	758.15	29.742	59.6	58.4	.483	.....	89.	SSW.	....	..	2	Ci.; Cu.
	6	25	21.8	758.65	29.760	64.2	62.7	.555	9 A. M.:	87.	SW. by S.	....	..	6	Cu.; Ci.
	8	25	22.6	758.85	29.765	71.3	68.4	.659	(D. 60.)	85.	SW.	....	..	7	S.; Cu.; Ci-cu.; moving from *WSW.*
	10	25	24.4	759.35	29.775	72.7	70.7	.722	.....	81.5	SW.	....	..	8	Ci-s.
	12	25	26.7	759.50	29.770	80.2	71.5	.664	3 P. M.:	73.5	WSW.	....	..	6	Ci.; Cu.; from *W.*
	14	25	28.6	759.40	29.757	83.	71.2	.623	(D. 61.5)	69.	WNW.	....	..	6	Ci-cu.; Cu.; from *W.*
	16	25	29.	759.95	29.777	83.	71.5	.633	(A. 83.)	68.5	W. by N.	....	..	7	Ci-s.; Cu.
	18	25	28.5	764.70	29.966	81.6	72.8	.696	9 P. M.:	71.5	W.	....	..	7	Ci-cu.
	20	25	27.	761.85	29.861	77.7	71.	.560	(D. 63.)	71.	NW.	....	..	4	Cu.; Ci-cu.
	22	25	25.5	762.75	29.903	72.6	66.1	.567	.....	....	NNE.	....	..	2	Ci-s.
23	0	25	24.5	763.00	29.918	70.3	64.5	.540	3 A. M.:	79.6	NNE.	....	..	5	N., very quiet.
	2	25	24.8	763.70	29.944	67.3	62.1	.500	(D. 57.8)	81.	NNE.	....	..	3	Ci.; Cu., very quiet.
	4	25	24.1	764.55	29.981	65.9	61.1	.487	.....	81.5	NNE.	....	..	7	Ci.; Cu.
	6	25	23.5	765.55	30.023	66.2	61.7	.504	9 A. M.	82.8	NNE.	....	..	7	Ci.; Cu. from *SW.*
	8	25	22.2	766.10	30.051	70.	63.2	.506	.....	78.5	NNE.	....	..	8	Fl.; Cu. from *WNW.*
	10	25	23.5	766.50	30.061	72.7	65.	.529	.....	76.2	ENE.	....	..	6	Ci-s. in Hor.; Ci-cu. above.
	12	25	25.2	766.50	30.053	76.3	68.	.586	3 P. M.	75.	E.	....	..	6	S. near Hor. *S.*; Ci. and Ci-cu. above.
	14	25	27.4	766.35	30.036	80.9	*68.5	.554	.....	67.6	E.	....	..	1	2 Str. (1 Ci. 2 Cu.) near Hor.
	16	25	27.8	766.10	30.025	83.2	70.2	.581	.....	67.5	E.	....	..	..	Clear.
	18	25	28.	766.10	30.024	77.6	68.	.571	9 A. M.:	69.5	E.	....	..	1	Ci.; Cu.
	20	25	25.5	766.45	30.049	70.	64.5	.543	(D. 59.)	79.	S. by E.	....	..	..	Some Ci. and S. near Hor. *SW.*
	22	25	25.7	766.90	30.066	63.4	62.	.543	.....	87.	SW. by S.	....	..	..	Clear.

* Recorded 78.5.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
24	0	25	24.3	766.50	30.057	60.5	60.2	.522	3 A. M.:	90.	SW. by S.	....	..	..	Dark.
	2	25	22.9	766.05	30.046	59.3	59.2	.507	(D. 61.)	89.6	SSW.	....	..	1	Thick fog; Ci. in *S.* and *E.* Hor.
	4	25	22.2	766.15	30.053	*58.	†57.8	.484	.....	88.	SSW.	....	..	..	Sky clear; fog.
	6	25	21.3	766.75	30.082	63.3	62.8	.567	9 A. M.:	88.	SSW.	....	..	..	Sky clear; fog.
	8	25	22.7	766.70	30.073	70.7	67.9	.648	(D. 64.)	85.	SSW.	....	..	..	Clear, Exc. few Cu-s. in *NW.* Hor.
	10	25	25.4	766.50	30.052	77.4	69.2	.616	(A. 76.5)	75.	SSW.	....	..	..	Clear, Exc. few very small Cu.
	12	25	27.8	765.55	30.003	81.	69.2	.573	3 P. M.:	67.2	SSW.	....	..	..	Clear, with Cu.
	14	25	29.1	764.75	29.965	84.3	70.	.564	(D. 61.)	65.	SW.	....	..	2	Cu. in masses around Hor.
	16	25	29.9	764.20	30.039	84.5	71.4	.610	(A. 82.)	65.5?	SW. by S.	....	..	1	Ci. Cu. from *W.*
	18	25	29.6	763.25	29.904	79.	69.7	.620	9 P. M.	70.5	SW.	....	..	1	Ci. Ci-s. from *W.*
	20	25	26.9	763.10	29.910	71.6	66.4	.588	(D. 60.7)	79.	SW. by S.	....	..	4	S. and Ci-s. Ci.
	22	25	25.1	762.85	29.910	68.	65.3	.592	(A. 69.2)	85.	SW. by S.	....	..	..	S. from *SW.*
25	0	25	23.9	761.65	29.868	65.2	64.5	.599	3 A. M.:	90.	SW. by S.	....	..	1	Cu.
	2	25	23.3	761.05	29.847	65.6	65.2	.615	(D. 61.6)	89.5	SW.	....	..	2	Cu. from *S.*
	4	25	23.3	761.00	29.845	67.3	66.5	.639	.....	86.4	SW. by W.	....	..	2	Ci. Cu. from *S.*
	6	25	23.7	761.10	29.847	69.4	67.6	.652	9 A. M.:	85.7	SW. by W.	....	..	5	Ci. from *S.*
	8	25	25.5	761.05	29.836	76.6	70.5	.672	(D. 62.)	78.5	NW.	....	..	2	Ci-s. Cu.
	10	25	27.	761.05	29.829	80.1	71.	.651	(A. 79.2)	72.7	ENE.	....	..	1	Ci-cu. in *SW.*
	12	25	29.2	760.65	29.804	83.5	73.7	.713	3 P. M.:	71.7	ENE.	....	..	2	Ci-s. Cu.
	14	25	31.	760.20	29.777	87.	72.	.611	.....	62.1	E.	....	..	1	Cu.
	16	25	30.5	759.70	29.759	85.5	74.6	.722	.....	69.8	ESE.	2	..	2	Cu. [from *SSE.*
	18	25	29.	759.50	29.759	81.	73.1	.714	9 P. M.:	76.	ESE.	1	..	6	2 S., 1 Ci. Ci-cu. from *NW.*; 2 Ci-cu.
	20	25	27.1	760.45	29.805	71.7	68.	.639	(D. 60.5)	83.5	ENE.	1	..	4	Ci. Ci-s. Cu-s.
	22	25	26.9	761.10	29.832	68.9	67.2	.647	.....	88.	ENE.	....	..	8	Overcast, and very dark.

* Recorded 57.8. † Recorded 58.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
26	0	25	26.2	760.45	29.811	66.4	65.2	.609	3 A. M.:	88.8	ENE.	..	..	8	N.; very dark.
	2	25	25.6	759.95	29.793	66.	64.5	.590	(D. 61.7)	84.5	ENE.	..	..	8	N.; very dark.
	4	25	24.7	760.20	29.808	65.3	64.6	.601	.....	89.4	ENE.	1	..	8	N.; raining.
	6	25	23.9	760.80	29.835	65.8	64.4	.589	9 A. M.:	85.4	ENE.	1	..	7	Small N.
	8	25	22.9	761.15	29.853	69.4	65.1	.570	(D. 61.)	83.	E. by N.	1	.05	8	Rain steadily.
	10	25	22.	761.65	29.877	68.5	65.2	.586	.....	85.	E.	1	..	8	Rain hard.
	12	25	21.6	762.25	29.902	67.2	64.	.561	3 P. M.:	85.5	E.	1	.19	8	Rain moderately. [from *E.*)
	14	25	22.9	762.40	29.902	70.1	64.6	.546	(D. 55.)	79.5	E.	1	..	8	2 Str., (1 Cu. Cu-s., stationary; 2 fleecy
	16	25	22.8	762.40	29.903	69.9	63.	.499	(A. 71.)	76.6	E.	1	..	8	Fl. Cu.
	18	25	22.2	762.30	29.901	68.3	61.3	.466	9 P. M.:	75.	ENE.	..	..	8	Fl. Cu-s. from *SE.*
	20	25	21.5	762.35	29.907	63.9	58.5	.435	(D. 51.)	77.5	ENE.	..	..	8	Fl. Ci-s. Cu.
	22	25	20.5	762.50	29.917	62.3	57.4	.424	.....	78.	ENE.	..	..	2	Cu. Cu s. near Hor.
27	0	25	19.5	762.00	29.903	61.5	56.3	.403	3 A. M.:	79.7	NE. by E.	..	..	8	Overcast; appears N.
	2	25	19.8	761.40	29.878	59.6	55.1	.392	(D. 49.7)	79.7	ENE.	..	..	8	Overcast; Cu. N.
	4	25	19.7	761.60	29.887	60.	57.1	.441	.....	83.	ENE.	..	..	8	Overcast; Cu. N.
	6	25	19.2	761.60	29.889	61.3	59.7	.499	9 A. M.:	84.3	ENE.	1	..	3	Cu. from *N.*
	8	25	19.7	761.90	29.899	65.5	62.4	.530	(D. 58.5)	84.5	ENE.	..	..	8	Overcast; dark N.
	10	25	21.3	761.75	29.885	69.2	65.	.569	.....	83.	ENE.	..	..	8	Cu. Fl. from *E.* [Fl. from *E.*)
	12	25	23.6	761.05	29.846	73.4	68.4	.632	3 P. M.:	80.5	E. by N.	1	..	5	2 Str.; (1 Cu. Ci-cu. from *SSE.*; 2 Ci.
	14	25	25.3	760.35	29.810	76.1	69.5	.640	(D. 62.) (A. 75.2)	78.	E. by N.	1	..	7	2 Str ; (1 Ci. Ci-cu. apparently stationary; 2 Cu. from *E.*)
	16	25	25.5	760.55	29.817	75.7	69.8	.653		79.2	E. by N.	1	..	7	Dark, Cu. N. from *NE.*) [*NE.*)
	18	25	25.8	760.35	29.808	71.5	68.	.641	9 P. M.:	89.5	E.	..	..	7	2 Str. (1 Ci-cu. from *W.*; 2 Cu. Fl. from
	20	25	....	760.50	.....	69.2	67.1	.637	(D. 62.5)	87.5	ENE.	..	..	4	2 Str. (middle, Ci-cu. S.; lower, Cu. from
	22	25	24.2	760.65	29.828	68.2	67.	.646	.....	87.5	ENE.	..	..	8	Overcast and dark. [*NE.*)

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
29	0 25	26.	761.20	29.840	72.3	71.1	.741	3 A. M.:	88.5	SSW.	..	..	..	Clear.
	2 25	25.6	761.00	29.834	71.2	70.5	.730	(D. 67.5)	89.7	SW.	..	..	4	Dark Cu.
	4 25	25.1	760.85	29.832	70.7	70.	.719	.....	90.8	SSW.	..	..	8	Overcast.
	6 25	25.	761.40	29.853	71.5	71.	.745	9 A. M.:	91.3	SSW.	..	..	..	Clear.
	8 25	....	.....	.....	....	....	....	(D. 70.)	....	SSW.	..	..	..	
	10 25	27.6	761.00	29.825	81.6	76.5	.837	(A. 79.)	84.	SSW.	1	..	6	Cu.; Ci-cu. from *SW.*
	12 25	29.	761.25	29.828	83.4	77.2	.849	3 P. M.:	81.5	SSW.	1	..	5	Cu.; Ci-cu. from *WSW.*
	14 25	31.	760.50	29.789	86.8	76.2	.767	(D. 67.)	73.5	SSW.	2	..	1	Cu. around Hor.
	16 25	31.2	759.45	29.746	88.3	76.4	.757	(A. 82.)	71.5	S. by W.	1	..	1	Cu.; Ci ; Ci-cu. in the *E.*
	18 25	30.1	758.60	29.719	82.4	74.8	.762	9 P. M.:	77.8	S.	1	..	1	Cu ; Ci.; Ci-cu.
	20 25	27.2	759.50	29.767	76.7	72.8	.750	(D. 67.5)	82.	S. by W.	..	..	..	Cu. in the *W.*; generally clear.
	22 25	28.5	760.20	29.789	73.5	71.5	.740	.....	88.5	S. by W.	..	..	..	Cu. in the *W.*; generally clear.
30	0 25	27.7	759.75	29.775	69.9	68.2	.666	3 A. M.:	89.3	W.	..	..	6	Cu.; N.; raining.
	2 25	26.7	758.65	29.737	68.6	67.3	.652	(D. 65.)	91.5	W. by S.	..	..	4	Cu ; N. from *E.*
	4 25	26.	758.75	29.744	67.7	66.5	.635	.....	90.7	NW.by W.	..	..	4	Ci.; Cu.; Fl.; Cu-s. from *SE.*
	6 25	26.1	759.50	29.773	71.1	68.6	.666	9 A. M.:	88.	N. by W.	..	..	2	Fl.; Ci.; Cu. from *NE.*
	8 25	25.	759.75	29.788	75.	68.9	.633	(D. 66.)	81.	NNW.	..	..	1	Light Ci. and Cu. from *NW.*
	10 25	26.4	760.00	29.792	78.	71.7	.698	.....	79.	WNW.	..	..	1	Ci.; Ci-cu.; Cu. from *NW.* [*W.* Hor.
	12 25	28.1	759.50	29.763	82.	72.6	.683	3 P. M.:	74.	NW. byN.	..	..	1	Ci.; Ci-s. in *E.* detached Cu.; heavy Cu. in
	14 25	29.5	759.50	29.757	83.2	72.1	.652	(D. 66.)	70.5	WNW.	..	..	3	Large Cu.; light Ci. from *SW.*
	16 25	30.7	758.75	29.722	84.4	71.8	.631	(A. 83.)	68.3	W.	..	..	1	Ci.; Ci-cu.; Cu. from *W.* [*SE.*
	18 25	28.1	759.15	29.749	76.2	71.2	.698	9 P. M.:	83.5	W.	..	..	6	Cu.; Ci cu.; Ci.; Cu-s.; partial rainbow in
	20 25	27.6	759.50	29.766	71.9	69.6	.691	(D. 66.)	87.5	NNW.	..	..	..	Clear; detached Cu. in *NW.*
	22 25	27.6	760.20	29.794	70.	68.6	.679	.....	89.	NNW.	..	..	..	Clear.

Date.		Barometers.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
1	0 25	25.9	760.80	29.826	71.1	65.3	.559	3 A. M.:	85.6	NNW.	....	..	6	Numerous Cu.
	2 25	25.2	761.05	29.838	68.7	62.5	.499	(D. 56.5)	79.	NNW.	....	..	..	Numerous Cu., in *SE.* and *W.* Hor.
	4 25	23.8	761.50	29.863	64.8	64.1	.591	.....	81.8	NNW.	....	..	6	Cu. Ci. Cu-s.
	6 25	22.7	762.25	29.898	63.7	63.6	.588	9 A. M.:	74.?	NNW.	....	..	..	Few Cu. near Hor., *S.* and *W.*
	8 25	20.6	762.10	29.900	65.8	57.3	.383	(D. 49.)	72.3	NW. by N.	....	..	1	Ci. Cu.; Ci-cu., from *NW.*
	10 25	22.1	762.60	29.914	69.2	59.3	.401	.....	69.5	WNW.	....	..	1	Cu. Cu-s. Ci-cu., from *WNW.*
	12 25	23.	762.65	29.910	70.2	59.5	.395	3 P. M.:	68.	NW.	....	..	4	Cu. Ci-cu., from *NW.*
	14 25	24.7	762.40	29.894	71.6	59.7	.385	(D. 50.7)	66.5	NW.	....	..	6	Cu. Cu-s., and light Ci. *NNW.*
	16 25	24.2	762.70	29.908	72.8	60.6	.397	(A. 73.)	66.1	NW.	....	..	4	Cu. Ci.; *NNW.*
	18 25	25.4	763.25	29.923	65.8	61.4	.500	9 P. M.:	71.8	NNW.	....	..	6	Ci. Cu-s.; detached Cu. from *W.*
	20 25	23.9	763.80	29.952	63.2	58.	.431	(D. 49.5)	78.	NW.	....	..	..	Cu. Cu s.; very few.
	22 25	23.1	764.85	29.999	61.1	56.5	.415	.....	79.5	NW. by N.	....	..	..	A few scattered Cu.
2	0 25	20.9	764.70	30.003	59.7	55.1	.393	3 A. M.:	81.9	NW. by N.	....	..	2	Cu. Cu-s. S.
	2 25	21.2	764.75	30.004	58.	54.1	.385	(D. 48.5)	84.5	NW.	....	..	1	S. Cu.
	4 25	20.	765.05	30.020	58.3	54.4	.390	.....	84.	NW.	....	..	8	Cu. Ci-cu. Cu-s.
	6 25	19.7	765.60	30.044	59.9	55.5	.402	9 A. M.:	83.1	NW.	....	..	8	Cu; Ci. Ci-cu.
	8 25	20.5	766.25	30.065	64.	57.	.395	(D. 49.)	77.	NW.	....	..	7	Ci. Ci-s. Ci-cu. Cu-s. from *WSW.*
	10 25	20.6	766.15	30.061	66.2	57.6	.386	(A. 68.)	74.	NW. by W.	....	..	8	Ci.; Ci-s. in *NE.* & *E.*; Ci-s. in *W.* & *NW.*
	12 25	22.2	766.25	30.057	68.	59.5	.420	3 P. M.:	72.	W.	....	..	8	N.; a little rain.
	14 25	23.	766.20	30.052	69.7	61.5	.458	(D. 49.7)	72.5	WSW.	....	..	8	S.; Cu. in *N.* and *W.*
	16 25	22.3	766.10	30.051	67.8	61.5	.479	(A. 77.2)	79.	WSW.	....	..	8	S.; Cu. in *N.* and *W.*; Cu-s.
	18 25	21.8	766.35	30.063	66.5	61.	.479	9 P. M.:	81.9	WSW.	....	..	8	Ci. Cu. Ci-cu.
	20 25	21.2	766.40	30.069	63.	60.	.489	(D. 48.5)	82.	WSW.	....	..	8	S.; Cu. Ci-cu.
	22 25	21.	766.40	30.070	61.5	59.	.478	.....	83.	WSW.	....	..	8	Very dark.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
3	0 25	20.6	765.60	30.039	60.8	58.8	.481	3 A. M.:	88.6	.....	..	..	8	Dark thick cloud.
	2 25	20.5	765.50	30.035	61.	59.5	.498	(D. 55.5)	90.3	.....	..	..	8	Dark thick cloud.
	4 25	20.	765.50	30.038	60.2	59.	.493	.....	91.	.....	..	..	7	Ci-cu., S , &c.
	6 25	19.9	766.30	30.071	61.2	59.7	.501	9 A. M.:	90.7	.....	..	..	7	Ci., Cu-s., Cu.
	8 25	20.6	766.20	30.063	66.1	60.7	.476	(D. 56.)	80.7	ENE.	..	..	8	Cu., Cu-s, Ci cu., Ci-s., from *W.*
	10 25	20.2	766.65	30.083	64.3	62.2	.541	(A. 66.)	87.	E. by N.	..	..	8	Dark heavy clouds from *NE.*
	12 25	20.2	766.75	30.087	64.6	60.9	.498	3 P. M.:	85.	ENE.	1	.04	8	Dark N., raining occasionally.
	14 25	21.	766.65	30.079	66.7	60.5	.462	(D. 55.)	80.5	ENE.	1	..	8	N., Cu., Cu-s., from *NE.*
	16 25	20.4	766.65	30.082	64.5	61.	.502	(A. 64.7)	81.8	ENE.	..	..	8	S., Ci cu., Cu., from *NE.*
	18 25	20.2	766.65	30.083	64.4	60.4	.485	9 P. M.:	82.2	NE.	..	..	8	Cu., Cu-s., N., from *NE.*
	20 25	19.2	766.70	30.090	62.5	59.8	.490	(D. 55.7)	83.5	.....	..	..	6	S., Cu-s., Cu.
	22 25	19.6	766.80	30.092	60.2	58.5	.479	.....	88.2	.....	..	..	6	Dark Cu., Ci cu.
4	0 25	19.3	766.55	30.084	59.	57.4	.462	3 A. M.:	90.5	.....	..	..	4	Cu. Ci-cu.
	2 25	18.7	766.55	30.086	58.2	57.	.460	(D. 53.5)	92.	.....	..	..	2	Dark Cu.
	4 25	17.8	766.95	30.107	57.1	56.1	.448	.....	91.8	N. by W.	..	..	1	Large Ci-s. along Hor. *S.* and *E.*
	6 25	18.3	767.50	30.125	59.2	56.6	.438	9 A. M.:	87.6	N. by W.	..	..	..	Clear, Exc. a long Ci. Cu. S.
	8 25	19.6	768.00	30.139	66.5	59.7	.443	(D. 50.)	77.	N.	..	..	..	Clear, Exc. light Ci-s. in *SE.* and *SW.*
	10 25	21.4	768.20	30.139	69.7	60.4	.425	(A. 69.5)	70.	ENE.	..	..	3	Cu. Ci-cu.
	12 25	23.5	768.10	30.124	74.1	59.7	.359	3 P. M.:	61. ?	NNE.	..	..	3	Cu. Ci cu. *NNE.*
	14 25	24.5	767.65	30.102	74.6	62.	.418	(D. 45.2)	62.	NNE.	..	..	1	Cu. around Hor.
	16 25	26.2	768.15	30.114	80.5	62.7	.372	(A. 74.)	57.1	ENE.	..	..	..	Generally clear, Ci. in *W.*
	18 25	25.7	768.55	30.133	74.	60.2	.372	.....	60.8	ENE.	1	..	..	Ci. Cu. Ci.s.
	20 25	21.5	768.75	30.160	65.	60.7	.488	.....	82.	S. by W.	..	...	..	Ci. Ci-s. in *N.* and *W.*
	22 25	19.5	768.65	30.166	61.	57.8	.450	.....	85.5	SW.	..	..	..	Light S. in *N.*

4th, at 20 hours, auroral light in NNW., about 10° above horizon.
4th, at 22 hours, very faint aurora still visible in NW.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
6	0 25	22.5	769.25	30.174	59.8	57.6	.458	3 A. M.:	88.5	.....	..	..	5	Cu., aurora.
	2 25	21.3	769.10	30.174	58.3	56.7	.451	(D. 53.5)	90.7	.....	..	..	5	Cu. and S., with aurora.
	4 25	20.9	769.10	30.176	59.5	58.	.472	.....	89.1	NE.	..	..	7	Ci-cu., Ci., Cu.
	6 25	21.4	769.35	30.184	63.7	61.	.511	9 A. M.:	88.	ENE.	1	..	8	Cu., Ci-cu.
	8 25	22.	769.00	30.166	67.8	62.	.494	(D. 65.8)	80.5	E. by N.	1	..	8	Cu. N. from *NE.*
	10 25	22.7	769.00	30.164	70.8	62.6	.478	(A. 71.)	75.	E. by N.	1	..	8	Cu. N. from *NE.*
	12 25	23.7	768.70	30.147	72.5	63.4	.484	3 P. M.:	73.	E. by N.	1	..	8	Cu. N. from *NE.*
	14 25	24.5	768.75	30.146	72.2	64.6	.523	(D. 58.5)	74.5	ENE.	1	..	8	N., and in *W.* Cu.
	16 25	23.2	768.75	30.152	62.5	58.7	.458	(A. 73.)	84.	NE.	1	.25	8	N., raining very hard.
	18 25	20.	767.75	30.127	62.2	59.7	.490	9 P. M.:	87.5	NNE.	..	.05	8	N., floating from *E.* and *NNE.*
	20 25	20.1	767.20	30.105	62 5	60.2	.500	(D. 57.5)	86.5	.....	..	..	8	Cu. and N.
	22 25	19.9	766.85	30.093	62.7	61.	.522	.....	86.7	.....	..	.02	8	N., raining a little.
7	0 25	20.2	766.25	30.067	64.8	61.7	.519	3 A. M.:	85.	.....	..	..	7	N., clear in *S.* Hor., raining.
	2 25	20.2	765.80	30.049	62.6	61.9	.549	(D. 58.2)	90.	.....	..	.08	8	N., raining.
	4 25	20.2	765.70	30.045	63.4	62.7	.564	.....	89.9	.....	..	.05	8	N., raining slowly.
	6 25	20.1	766.30	30.069	63.6	63.1	.574	9 A. M.:	88.3	.....	..	..	8	N., light rain; foggy.
	8 25	20.6	766.40	30.071	66.	63.	.544	(D. 60.5)	85.	ENE.	..	.01	8	N., light drizzling rain.
	10 25	21.5	766.50	30.071	68.	64.	.552	(A. 65.)	84.	ENE.	1	..	8	N. from *E.*, rain ceased.
	12 25	22.1	766.65	30.074	69.5	65.	.567	3 P. M.:	82.	ENE.	..	..	8	N. overhead, Cu. in Hor.
	14 25	23.	766.35	30.058	71.2	66.5	.596	(D. 59.5)	82.	NE.	..	..	8	N. from *NE.*
	16 25	23.2	766.40	30.059	72.	67.3	.614	(A. 70.)	82.3	ENE.	..	..	8	N. from *NE.*
	18 25	22.7	766.45	30.064	71.8	66.5	.589	9 P. M.:	82.5	ENE.	..	..	7	Ci., Cu.
	20 25	22.2	766.50	30.067	66.4	64.5	.586	(D. 56.2)	84.5	E.	..	..	7	Cu., Ci-cu.
	22 25	21.7	766.80	30.082	66.5	64.2	.575	.....	84.6	ESE.	..	..	7	Cu., Ci-cu.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
8	0 25	21.7	766.80	30.082	65.	63.6	.573	3 A. M.:	89.2	.....	..	..	8	N., or Cu.
	2 25	21.6	766.15	30.056	64.3	62.9	.560	(D. 58.2)	90.5	.....	..	..	8	Cu.
	4 25	21.3	766.25	30.062	63.1	62.3	.556	.....	91.8	.....	..	..	..	Very thick fog, and sky not to be seen.
	6 25	20.7	766.80	30.087	63.5	62.1	.546	9 A. M.:	90.7	SE.	..	..	..	Mist remains.
	8 25	20.9	766.25	30.064	67.	64.3	.573	(D. 62.)	88.	E. by N.	..	..	8	N.
	10 25	21.6	766.10	30.054	69.4	66.	.600	(A. 66.5)	85.5	E. by S.	..	..	8	N., raining at times.
	12 25	23.6	765.10	30.005	73.6	71.2	.730	3 P. M.:	87.	SE.	..	.02	8	N., fine rain.
	14 25	23.6	764.00	29.962	73.	70.2	.701	(D. 67.)	88.	SSE.	..	..	8	N., showery.
	16 25	23 9	762.20	29.889	73.9	71.3	.729	(A. 77.)	88.5	SSE.	1	.02	8	N., Cu. from *SW.*
	18 25	23.6	762.25	29.893	73.	71.7	.754	9 P. M.:	90.	SSE.	..	.09	8	N., Ci-cu., Cu-s. from *SE.*
	20 25	....	.....	.....	73.	71.5	.747	(D. 65.7)	90.	SW.	..	.01	8	N., Ci-cu., Cu. from *SW.*
	22 25	23.6	761.50	29.864	72.5	71.4	.749	.....	90.5	S.	..	.07	8	N., Ci-cu., Cu.
9	0 25	23.6	761.15	29.850	71.9	71.	.741	3 A. M.:	91.8	SW. by S.	..	..	8	N.
	2 25	23.7	760.50	29.824	72.1	70.7	.729	(D. 68.2)	89.6	SW.	..	..	8	Very dark.
	4 25	23.7	760.45	29.822	71.9	70.	.706	.....	89.3	SSW.	..	.01	8	Light Ci-cu., rain.
	6 25	23.8	760.95	29.842	71.5	69.7	.702	9 A. M.:	87.8	W. by S.	..	..	8	Ci-cu.
	8 25	24.5	761.00	29.840	73.7	70.6	.707	(D. 68.)	82.	WSW.	..	..	8	Ci cu., Cu. from *W.*
	10 25	25.1	761.00	29.837	75.	71.	.707	(A. 76.5)	85.	WSW.	...	..	8	Cu., Cu-s., Ci-cu. from *WSW.*
	12 25	25.5	760.65	29.821	75.4	71.	.703	3 P. M.:	84.5	WSW.	..	..	6	N., Ci-cu., Cu. from *WSW.*
	14 25	26.1	759.75	29.783	76.6	71.1	.692	(D. 66.)	82.	WSW.	..	..	6	Ci-cu., Cu., Ci s. from *WSW.*
	16 25	26.8	759.45	29.767	79.3	72.3	.706	(A. 81.)	80.4	SW. by W.	..	..	7	Ci cu., Ci-s. from *SW.*
	18 25	25.8	759.50	29.774	76.6	70.7	.679	9 P. M.:	82.	SW. by W.	..	..	..	Cu-s., Ci-s., Cu. from *W.* by *S.*
	20 25	24.6	760.50	29.820	67.	66.	.627	(D. 63.)	85.	NW.	..	.10	..	N.; Ci-cu., Cu.; rain.
	22 25	23.2	760.60	29.831	65.3	64.5	.598	.....	85.4	.....	..	..	..	Ci-cu., Cu.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
10	0 25	23.2	760.75	29.837	66.8	66.	.629	3 A. M.:	89.5	.....	..	..	..	Clear.
	2 25	23.1	760.60	29.831	64.8	63.9	.585	(D. 57.2)	89.4	.....	..	..	..	Clear.
	4 25	22.7	760.85	29.844	66.5	62.5	.524	.....	83.8	.....	..	..	1	S. in Hor. *SE.*, Ci. in *NE.*
	6 25	22.9	761.90	29.883	68.	63.5	.538	9 A. M.:	82.4	.....	..	..	..	Clear.
	8 25	23.3	762.40	29.900	72.5	65.8	.560	(D. 60.)	78.5	NW.	..	..	..	Clear, Exc. light S. in *S.*
	10 25	25.3	762.80	29.906	76.8	68.7	.607	(A. 75.6)	76.	WNW.	..	..	..	Clear, Exc. few small Cu. in Hor.
	12 25	26.6	762.80	29.900	79.2	68.6	.577	3 P. M.:	71.	WNW.	..	..	1	Cu., Ci-cu. from *W.*
	14 25	28.	762.60	29.886	82.	70.5	.611	(D. 61.)	70.5	NNW.	..	..	2	Cu., Ci-cu. from *W.*
	16 25	28.	762.50	29.882	81.2	71.1	.641	(A. 81.5)	71.8	NW.	..	..	1	Cu., Ci-cu. from *NW.*
	18 25	28.	762.50	29.882	81.	70.9	.636	9 P. M.:	71.2	WNW.	..	..	..	Clear.
	20 25	26.9	763.00	29.906	75.5	70.	.666	(D. 64.5)	81.3	.....	..	..	..	Clear.
	22 25	25.7	763.80	29.944	72.1	69.1	.673	.....	87.	.....	..	..	..	Clear.
11	0 25	24.8	763.85	29.950	70.4	68.1	.658	3 A. M.:	90.	.....	..	..	..	Ci., Ci-cu., Cu.
	2 25	25.	763.75	29.945	68.7	66.5	.623	(D. 55.7)	90.5	.....	..	..	1	A few Cu. in *N.*
	4 25	24.6	763.75	29.947	67.2	64.8	.586	.....	87.3	.....	..	..	1	Ci., Cu., in *N.*
	6 25	24.5	764.35	29.972	69.1	64.	.540	9 A. M.:	82.8	NNE.	..	..	2	Ci. in *E.*, Cu. in *SW.*
	8 25	24.3	761.80	29 991	73.6	64.7	.512	(D. 57.)	74.5	NE.	..	..	..	Clear, hazy in Hor.
	10 25	25.8	765.25	30.000	77.2	64.8	.475	(A. 77.5)	68.	N. by E.	..	..	..	Clear.
	12 25	27.5	764.85	29.977	80.	67.8	.541	3 P. M.:	66.	NW. by N.	..	..	..	Clear.
	14 25	28.7	764.00	29.937	83.1	70.3	.592	(D. 59.)	66.5	NW.	..	..	..	Clear.
	16 25	29.3	763.95	29.933	84.	69.3	.548	(A. 83.5)	64.5	NNW.	..	..	..	Clear.
	18 25	28.5	763.95	29.936	79.5	69.4	.601	9 P. M.:	71.	NNW.	..	..	..	A few Cu. in Hor., *NE.* and *W.*
	20 25	28.1	763.95	29.938	73.6	68.5	.635	(D. 60.5)	83.	SE.	..	..	..	A few Cu. scattered.
	22 25	25.5	764.00	29.952	68.5	66.5	.626	.....	86.2	.....	..	..	..	A few Cu. scattered.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
13	0 25	26.3	761.90	29.867	72.1	70.	.704	3 A. M.:	89.6	.....	..	..	4	Cu s. running *N.* and *S.*
	2 25	25.7	760.85	29 828	69.3	67.1	.637	(D. 57.5)	90.	.....	..	..	1	Cu-s. in *SW.*
	4 25	25.	760.10	29.802	67.6	66.5	.636	.....	91.7	ESE.	..	..	3	Ci. and Fl., S., scattered.
	6 25	25.1	759.95	29.796	70.	69.4	.707	9 A. M.:	90.9	ESE.	..	.02	8	Fog and light rain.
	8 25	24.5	759.55	29.783	74.1	72.7	.778	(D. 68.5)	90.5	SE. by E.	..	..	8	S., N.
	10 25	27.8	758.70	29.734	80.5	75.5	.813	(A. 78.)	85.	SE. by E.	1	..	8	Cu., Ci-cu., Cu-s.
	12 25	28.	757.65	29.692	81.4	75.7	.810	3 P. M.:	83.	SE. by E.	1	..	8	N., Cu., rain.
	14 25	26.2	756.00	29.636	76.5	75.6	.861	(D. 70.)	88.	SE. by S.	1	1.08	8	N., rain.
	16 25	27.1	755.50	29.611	78.3	76.	.857	(A. 85.3)	86.6	S. by E.	..	..	8	N., ceased rain.
	18 25	26.9	755.30	29.604	78.5	75.8	.847	9 P. M.:	86.5	S. by E.	..	..	6	N., Cu.
	20 25	28.	755.30	29.599	76.5	75.5	.857	(D. 74.)	87.5	SSE.	..	..	8	N., Cu. Ci., Ci-s., from *SW.*
	22 25	....	.....	.....	....	....	....	.....	....	S.	..	..	8	N., Cu. from *SW.*
14	0 25	26.7	754.70	29.582	76.	74.7	.832	3 A. M.:	87.9	S.	..	..	7	Ci s., Cu.
	2 25	26.6	754.60	29.578	75.6	74.4	.825	(D. 72.5)	87.7	S. by W.	..	..	8	Cu. from *SW.*
	4 25	26.3	754.95	29.594	73.9	73.	.791	.....	90.	SSW.	..	..	2	Ci., Cu., Ci-s.
	6 25	26.4	755.60	29.619	74·5	73.2	.792	9 A. M.:	87.3	W. by S.	..	..	3	Ci., Cu.
	8 25	26.7	756.15	29.638	79.	72.5	.717	(D. 66.5)	80.	W. by S.	..	..	..	Clear.
	10 25	28.	757.00	29.666	81.	72.	.677	(A. 85.3)	75.5	WNW.	..	..	3	Cu., Ci.
	12 25	28.5	757.35	29.677	82.1	71.7	.653	3 P. M.:	72.	W. by S.	1	..	5	Cu., Ci-cu.
	14 25	29.7	757.50	29.678	84.6	72.5	.655	(D. 58.)	69.	WNW.	1	..	3	Cu., Ci-cu.
	16 25	29.5	757.80	29.691	84.2	69.9	.568	(A. 84.)	....	WNW.	1	..	..	Some Cu.
	18 25	28.3	758.50	29.723	80.	70.7	.642	9 P. M.:	72.8	WNW.	1	..	..	Clear.
	20 25	28.3	759.15	29.748	72.3	68.3	.644	(D. 64.)	83.5	WNW.	1	..	..	Clear.
	22 25	26.5	759.90	29.787	68.9	67.5	.655	.....	88.5	WNW.	..	..	..	Clear.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
15	0 25	25.5	760.25	29.805	68.9	67.	.638	3 A. M.:	88.6	NW.	..	..	..	Clear.
	2 25	26.	760.40	29.810	67.5	66.1	.625	(D. 63.)	90.3	NW.	..	..	..	Clear.
	4 25	24.8	760.85	29.833	68.1	64.4	.564	.....	84.2	NW.	..	..	1	Ci-s. in *N.* and *NW.*
	6 25	25.2	761.95	29.874	70.9	65.8	.577	9 A. M.:	82.1	NNW.	..	..	2	Number of fleecy clouds in *NW.*
	8 25	25.7	762.50	29.893	76.9	68.3	.592	(D. 64.)	75.5	NNW.	..	..	..	Clear, Exc. light S. in *N.*
	10 25	28.1	763.00	29.900	82.	69.	.560	(A. 81.)	68.	W.	..	..	..	Clear, Exc. light S. in *N.*
	12 25	30.	763.20	29.899	86.1	70.3	.558	3 P. M.:	64.	W.	..	..	1	Cu., Ci-cu. from *N.*
	14 25	30.2	762.55	29.873	86.9	72.3	.621	(D. 64.)	64.5	WSW.	..	..	..	Few light Cu. from *NNW.*
	16 25	31.3	762.85	29.880	87.8	72.5	.618	(A. 91.)	63.2	W.	..	..	..	Ci., a few Cu.
	18 25	31.4	762.80	29.877	83.8	73.8	.712	9 P. M.:	72.3	SW.	..	..	..	Scattered Cu. in *NW.*
	20 25	30.1	763.00	29.890	77.1	72.1	.723	(D. 67.5)	81.2	W.	..	..	..	Clear.
	22 25	29.6	763.30	29.905	74.8	71.6	.731	.....	86.9	W.	..	..	..	Clear.
16	0 25	28.8	763.65	29.923	72.	69.	.671	3 A. M.:	86.8	W.	..	..	..	Clear.
	2 25	27.9	763.65	29 927	71.5	69.1	.679	(D. 66.)	88.8	SW.	..	..	..	Clear.
	4 25	27.1	764.00	29.945	69.	67.5	.653	.....	90.1	NW.	..	..	1	S. near the *S.*, Ci-cu. near *E.*
	6 25	26.6	764.70	29.975	72.2	69.8	.695	9 A. M.:	87.8	W.	..	..	3	Ci. in *S.*
	8 25	27.5	764.85	29.977	79.5	71.6	.678	(D. 68.)	78 5	SW.	..	..	..	Clear.
	10 25	29.	765.00	29.975	83.7	72.6	.668	(A. 81.3)	74.	SW.	..	..	..	Clear.
	12 25	30.7	764.65	29.954	87.3	72.6	.628	3 P. M.:	67.	WSW.	..	..	..	Cu. forming.
	14 25	32.	764.50	29.942	90.	73 5	.620	(D. 63.5)	65.5	WSW.	..	..	1	Cu.
	16 25	32.7	764.30	29.931	91.	74.9	.674	(A. 88.)	65.5	SW.	..	..	..	
	18 25	31.1	764.20	29.934	82.5	71.7	.649	9 P. M.:	72.5	S. by W.	..	..	..	Clear.
	20 25	28.5	764.25	29.918	75.8	69.6	.649	(D. 67.)	80.	S.	..	..	..	Clear, dark in Hor. *N.*
	22 25	29.5	764.60	29.958	74.3	72.	.750	.....	87.9	SSW.	..	..	..	Clear.

Date.		Barometer.			Therm'rs, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Dir. points.	Force, lbs.	Rain, inches.	Sky covered, 8ths.	Clouds, &c.
	h. m.													
17	0 25	28.7	764.60	29.961	72.7	71.3	.743	3 A. M.:	90.8	SSW.	..	..	1	S. in *S.*, Cu. in *SE.*
	2 25	27.4	764.50	29.963	71.7	70.	.708	(D. 67.5)	89.8	SSW.	..	..	..	Cu-s. in *S.*
	4 25	26.8	764.60	29.970	72.5	71.6	.756	.....	90.8	S.	..	..	8	Overcast, dark.
	6 25	26.7	764.95	29.985	73.9	73.2	.798	9 A. M.:	90.3	S.	..	..	..	Foggy.
	8 25	27.	764.90	29.982	78.7	75.4	.828	(D. 71.5)	87.	SW.	..	..	7	Cu., Ci-cu. from *S.*
	10 25	28.2	765.05	29.981	81.5	75.	.782	(A. 86.)	81.5	SW.	..	..	5	Cu., Ci-cu. from *S.*
	12 25	30.	764.40	29.947	84.7	76.3	.797	3 P. M.:	78.	SW.	..	..	3	Cu. around Hor.
	14 25	31.6	763.85	29.918	88.	74.7	.799	(D. 71.)	71.5	SW.	..	..	2	Cu. from *S.*
	16 25	32.	762.75	29.873	89.8	76.9	.765	(A. 90.2)	70.1	SW.	..	..	..	Clear.
	18 25	30.2	762.50	29.870	82.3	75.7	.800	9 P. M.:	80.	S.	..	..	3	Cu. in *E.*, *N.*, and *W.*
	20 25	30.4	762.85	29.884	77.5	73.8	.781	(D. 69.7)	87.	S.	..	..	..	Cu-s., Ci. Ci-s.
	22 25	30.7	763.25	29.898	75.5	73.9	.807	.....	87.	S. by W.	..	..	..	Cu. from *SW.*
18	0 25	29 2	763.05	29.897	74.2	73.	.788	3 A. M.:	90.7	SSW.	..	..	2	S., Cu., Ci.
	2 25	27.8	762.00	29.863	74.3	72.9	.783	(D. 67.5)	90.5	SSW.	..	..	8	Overcast.
	4 25	26.8	762.15	29.873	75.	73.6	.801	.....	89.9	S.	..	..	8	Overcast, clouds from *SW.*
	6 25	26.7	762.85	29.902	77.5	74.6	.811	9 A. M.:	87.5	SW.	..	..	7	Ci-cu. from *SW.*
	8 25	27.1	762.60	29.890	79.1	76.4	.863	(D. 74.)	88.	SSW.	..	..	8	Cu. from *WSW.*
	10 25	29.5	762.80	29.887	84.3	78.3	.883	(A. 69.5)	83.	SSW.	..	..	8	Cu., N. from *WSW.*, thunder in *W.*
	12 25	26.	762.85	29.906	76.5	73.7	.788	3 P. M.:	87.	N.	..	.37	7	Cu. and Ci. in *W.*, N. in *N.*, *S.*, and *E.*
	14 25	28.3	763.10	29.904	79.5	74.8	.797	(D. 69.)	85.	ENE.	..	..	8	Cu., Ci cu., Ci. from *W.*
	16 25	26.6	763.00	29.907	76.	73.	.768	(A. 78.5)	86.	ESE.	..	..	8	N., Cu. raining, scud flying from *E.*
	18 25	26.	763.30	29.923	73.7	71.5	.739	9 P. M.:	89.	SSW.	..	.05	8	N., dark and raining.
	20 25	25.3	761.80	29.868	72.	70.2	.712	(D. 67.5)	91.	SW.	..	.04	8	Cu., N.
	22 25	25.7	762.00	29.873	71.	69.7	.706	.....	92.	W. by S.	..	..	8	Cu., N.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
20	0 25	23.5	762.00	29.883	69.8	62.	.472	3 A. M.:	76.	N. by E.	..	..	5	Ci.
	2 25	23.4	762.70	29.912	66.	58.4	.411	(D. 51.)	77.3	NNW.	..	..	2	Cu., Ci. in *S.*
	4 25	23.4	763.50	29.943	62.6	57.	.410	.....	79.3	N. by W.	..	..	..	Clear.
	6 25	22.8	764.50	29.986	64.	57.7	.414	9 A. M.:	78.6	N. by W.	..	..	..	Clear.
	8 25	22.	765.00	30.008	67.2	58.5	.401	(D. 52.)	75.	N. by W.	..	..	..	Detached Cu. in Hor.
	10 25	21.5	765.00	30.011	69.	58.5	.380	(A. 86.5)	70.5	NW.	..	..	4	Cu., Ci-cu. from *NNW.*
	12 25	23.	764.90	30.001	72.2	59.3	.366	3 P. M.:	67.	NW.	..	..	3	Cu., Ci-cu. from *N.*
	14 25	23.7	765.80	30.032	72.5	58.8	.350	(D. 54.)	....	NW.	..	..	..	
	16 25	23.7	764.50	29.981	73.3	59.9	.371	(A. 78.2)	64.4	WNW.	..	..	6	Cu.
	18 25	24.3	764.65	29.985	71.6	60.	.393	9 P. M.:	66.8	WNW.	..	..	2	Cu.
	20 25	23.1	764.70	29.993	62.5	57.5	.425	(D. 53.5)	78.5	W.	..	..	..	A few Ci-cu. near Hor. *W.*
	22 25	21.	764.60	29.999	57.5	57.2	.473	.....	92.4	W.	..	..	..	Clear.
21	0 25	19.8	764.55	30.003	58.5	55.3	.411	3 A. M.:	84.5	.....	..	..	2	Ci. in *SW.*
	2 25	21.5	764.55	29.994	61.4	55.4	.381	(D. 47.)	77.6	.....	..	..	..	Clear.
	4 25	21.	764.75	30.005	56.7	54.5	.410	.....	87.2	SW.	..	..	..	Clear.
	6 25	20.7	765.00	30.015	62.4	56.1	.388	9 A. M.:	78.2	NW.byW.	..	..	..	Clear.
	8 25	21.7	765.50	30.030	69.6	59.4	.399	(D. 53.)	71.	WNW.	..	..	..	Clear.
	10 25	23.5	765.95	30.039	73.5	62.	.430	(A. 76.2)	68.5	WNW.	..	..	..	Clear.
	12 25	25.	765.50	30.014	77.4	64.4	.459	3 P. M.:	66.5	WSW.	..	..	..	A few light Cu., hazy.
	14 25	26.5	765.45	30.005	79.	64.8	.454	(D. 53.)	64.5	W.	..	..	3	Cu., Ci-cu. from *N.*
	16 25	27.5	765.10	29.986	80.8	66.4	.485	(A. 86.5)	64.5	WSW.	..	..	..	Light Cu., Ci-cu. from *NW.*
	18 25	26.6	765.15	29.992	75.6	65.6	.518	9 P. M..	70.5	SW.by S.	..	..	..	No clouds, hazy.
	20 25	23.7	765.30	30.012	69.5	64.5	.551	(D. 59.)	82.2	SW.	..	..	..	Hazy.
	22 25	21.	765.40	30.030	65.8	63.	.547	.....	87.	SW.	..	..	..	Clear.

Date.		Barometers.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
22	0 25	19.5	765.50	30.041	62.2	61.1	.531	3 A. M.:	91.5	SW.	..	....	..	Clear.
	2 25	22.2	765.80	30.039	62.	60.3	.509	(D. 51.5)	90.1	NNW.	..	....	..	Clear.
	4 25	21.9	766.05	30.051	60.6	59.4	.500	.....	91.3	NNW.	..	....	..	Clear.
	6 25	22.5	766.85	30.080	64.8	63.	.558	9 A. M.:	89.1	SW.	..	....	..	Clear.
	8 25	23.	767.10	30.097	71.8	66.3	.582	(D. 62.5)	81.	SW.	..	....	..	Clear.
	10 25	25.5	767.25	30.080	77.6	66.9	.537	.....	72.	SW.	..	....	..	Clear.
	12 25	27.8	767.25	30.070	80.4	66.2	.483	3 P. M.:	64.6	SW.	..	....	..	Clear.
	14 25	29.	766.75	30.045	82.7	67.6	.503	(D. 57.5)	64.4	SW.	..	....	..	Clear.
	16 25	28.9	766.65	30.041	82.9	68.	.514	(A. 87.5)	65.	SSW.	1	....	1	S., Ci s. from *W.*
	18 25	25.5	766.00	30.031	74.7	64.4	.490	9 P. M.:	68.	S. by W.	..	....	1	Ci., S. from *N.*
	20 25	24.6	766.10	30.040	69.6	63.3	.513	(D. 56.5)	72.	S. by W.	..	....	1	Ci., Ci-s.
	22 25	25.	765.90	30.030	66.2	62.8	.536	.....	86.	S.	..	....	..	Clear.
23	0 25	25.1	766.00	30.034	64.5	62.9	.558	.....	90.6	SW. by S.	..	....	2	S., Ci-s.
	2 25	24.3	765.35	30.012	65.9	64.	.576	.....	91.9	SSW.	..	....	1	Cu.
	4 25	23.9	765.20	30.007	64.4	62.9	.559	.....	91.5	SW. by S.	..	....	..	Ci-s., Cu.
	6 25	22.	764.65	29.995	69.2	66.5	.618	.....	88.	S. by W.	..	....	4	Ci., Ci-s., Ci-cu.
	8 25	24.5	764.45	29.976	75.	69.	.637	.....	81.	SSW.	1	....	8	Ci-s., Ci.
	10 25	25.5	763.40	29.928	76.5	68.2	.595	.....	81.7	SSW.	1	....	8	S., Ci-s.
	12 25	26.	762.55	29.894	77.2	70.	.646	3 P. M.:	75.5	S. by W.	1	....	8	S., Cu-s.
	14 25	24.	761.75	29.872	73.5	69.	.654	(D. 67.)	80.	S.	1	....	8	Overcast.
	16 25	24.5	760.20	29.809	74.	69.1	.652	.....	84.5	S. by E.	1	....	8	Cu., Ci-cu. from *S.*
	18 25	....	.....	.....	72.	69.2	.677	9 P. M.:	89.8	SSE.	1	.01	8	N. from *S.*, raining.
	20 25	24.5	758.55	29.774	70.6	69.5	.703	(D. 64.2)	91.9	SSE.	1	.05	8	N. from *S.*, raining.
	22 25	....	.....	.....	69.	68.6	.691	.....	92.	SE.	4	.44	8	N. from *S.*, raining very hard.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
24	0	25	24.2	754.65	29.592	69.1	68.5	.686	3 A. M.:	87.2	ENE.	..	.60	8	N., Cu., raining slowly.
	2	25	23.6	753.95	29.567	69.2	68.6	.689	(D. 62.5)	91.2	NW.	..	....	8	N., ceased raining.
	4	25	23.9	754.10	29.571	69.5	69.	.699	.....	91.1	SW.	..	.01	8	N., raining lightly.
	6	25	24.2	754.65	29.592	70.9	69.8	.710	9 A. M.:	89.6	W. by S.	..	....	7	Cu , clouds moving to *E.*
	8	25	24.8	755.15	29.608	75.	69.3	.648	(D. 67.)	81.	NW.	..	....	8	Cu., N. from *NNW.*
	10	25	25.	755.90	29.637	76.2	68.3	.601	(A. 76.)	77.	NW.	..	....	8	Cu., Cu-s , N.
	12	25	26.	756.00	29.636	77.6	69.	.609	3 P. M.:	76.	NW.	1	....	8	Cu., Cu-s. from *NW.*
	14	25	27.	756.10	29.634	79.5	69.5	.605	(D. 65.)	73.5	NNW.	1	....	8	Cu., Ci., N. from *S.*
	16	25	26.	756.75	29.666	77.3	68.5	.595	(A. 83.)	75.	NNW.	2	....	6	Cu., Ci-cu.
	18	25	25.5	758.10	29.720	75.9	66.5	.544	9 P. M.:	74.2	NNW.	2	....	3	Cu., Ci-cu., Ci-s., N.
	20	25	25.3	759.25	29.766	72.	63.5	.494	(D. 57.)	74.5	NNW.	1	....	1	Ci-s., Cu., N.
	22	25	24.	759.95	29.801	70.3	62.5	.481	.....	75.5	NNW.	1	....	6	N., Cu.
25	0	25	23.7	760.75	29.834	67.	61.2	.481	3 A. M.:	79.6	NNW.	..	....	1	Cu-s. in *N.*, Cu. in *S.*
	2	25	23.1	761.10	29.850	66.	61.	.485	(D. 58.)	82.7	NNW.	..	....	1	S.
	4	25	21.9	762.25	29.901	64.2	60.4	.488	.....	85.	NNW.	..	....	7	Numerous Ci. with Cu.
	6	25	23.	763.90	29.961	66.2	61.4	.495	9 A. M.:	83.3	NNW.	..	....	7	Ci-s. and Cu.
	8	25	22.	765.25	30.018	69.8	62.7	.493	(D. 58.7)	79.	N.	..	....	3	Ci-s. from *W.*
	10	25	24.	765.25	30.009	73.4	65.5	.539	(A. 78.5)	77.	NE.	..	....	1	Ci., Ci-s. from *SW.*
	12	25	25.5	766.20	30.039	77.1	66.4	.526	3 P. M.:	72.2	E.	..	....	1	Ci., Ci-s. from *SW.*
	14	25	27.	765.95	30.022	79.5	64.8	.448	(D. 57.)	64.5	NW.	..	....	½	Ci. from *SW.*
	16	25	27.7	765.80	30.014	82.2	65.6	.444	(A. 80.5)	61.8	N by W.	..	....	..	Clear, some Cu., Ci.cu., Ci-s. in *SE.*
	18	25	28.2	766.30	30.031	76.5	63.5	.442	9 P. M.:	65.	ENE.	..	....	..	Few light Cu. in *S.* and *SE.*
	20	25	24.	766.40	30.055	69.	64.7	.563	(D. 65.5)	84.	SE.	..	....	..	Clear, Ci. near Hor.
	22	25	25.6	767.15	30.076	65.3	63.2	.559	.....	88.	.....	..	....	..	Clear, few S. in *N.*

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
27	0 25	24.5	768.25	30.126	68.4	64.4	.560	3 A. M.:	86.3	S.	..	....	4	Cu. in *SW.* and *N.*
	2 25	22.3	767.80	30.118	65.1	62.8	.549	(D. 55.2)	91.6	S.	..	....	5	Cu., Cu-s.
	4 25	23.4	768.00	30.121	62.5	61.3	.432	.....	92.	.....	..	....	8	Cu , Ci., Ci-s.
	6 25	23.7	768.55	30.141	66.	64.2	.582	9 A. M.:	90.2	.....	..	....	8	Ci., Ci-cu.
	8 25	24.	768.90	30.154	72.8	68.	.627	(D. 66.5)	84.	SW.	..	....	3	Ci., Ci-s.
	10 25	25.3	769.00	30.150	77.	68.7	.604	(A. 84.)	78.5	SW.	..	....	2	Ci., Ci-s., Cu. from *SW.*
	12 25	27.3	768.70	30.130	80.1	67.5	.529	3 P. M.:	71.5	SSW.	..	....	3	Cu., Ci., S.
	14 25	29.	768.15	30.100	83.8	68.	.504	(D. 64.)	65.	SW.	..	....	3	Cu., Ci., Ci-cu.
	16 25	30.	767.50	30.069	85.2	69.5	.539	(A. 87.)	66.5	SW.	..	....	2	Cu., Ci.
	18 25	27.5	767.25	30.071	78.5	69.	.598	9 P. M.:	72.	WSW.	..	....	1	Cu., Ci.
	20 25	25.5	767.95	30.108	72.5	68.5	.647	(D. 62.)	86.	SSW.	..	....	..	Clear.
	22 25	24.6	767.45	30.093	68.3	66.7	.635	.....	91.	SSW.	..	....	..	Clear.
28	0 25	25.5	767.30	30.082	67.5	66.	.621	3 A. M.:	91.6	.....	..	....	..	Clear.
	2 25	25.2	766.60	30.057	66.	65.	.606	(D. 57.)	92.8	.....	..	....	..	Clear, but dark.
	4 25	24.7	766.20	30.044	65.3	64.8	.607	.....	92.2	.....	..	....	2	Ci s., scattered.
	6 25	24.8	766.25	30.045	66.7	65.9	.627	9 A. M.:	91.2	.....	..	....	2	S., Ci., Ci-s.
	8 25	24.3	765.85	30.032	73.8	70.4	.698	(D. 64.)	85.	S.	..	....	..	Ci., Ci-s. near Hor.
	10 25	26.5	765.40	30.003	78.5	70.7	.657	(A. 80.6)	78.	SSW.	1	....	1	Cu., Ci., Ci-cu., Ci-s. from *SW.*
	12 25	27.5	764.50	29.963	81.	70.8	.634	3 P. M.:	74.	SSW.	1	....	1	Cu., Ci., Ci-cu. from *SW.*
	14 25	29.	763.50	29.916	84.4	74.5	.731	(D. 69.)	75.	SSW.	1	....	4	Cu , Ci-cu. from *W.*
	16 25	30.4	762.30	29.962	85.9	77.	.812	(A. 80.)	76.2	SSW.	2	....	3	Cu., Ci-cu. from *W.*
	18 25	28.3	761.15	29.827	80.2	75.	.797	9 P. M.:	85.8	S.	1	....	5	Cu., Ci-cu. from *W.*
	20 25	28.3	761.50	29.841	78.8	73.	.737	(D. 68.5)	86.	SSW.	..	....	6	N., Ci-s.
	22 25	28.2	761.00	29.822	76.9	73.	.758	.....	88.	SW. by W.	..	....	..	N.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
29	0 25	27.7	760.40	29.801	78.	73.	.746	3 A. M.:	85.5	WSW.	1	..	4	Cu., Cu-s
	2 25	27.5	760.05	29.788	78.8	72.1	.704	(D. 62.)	83.3	WSW.	..	..	4	Dark Cu. and N.
	4 25	27.4	760.65	29.812	77.3	71.	.682	.....	83.2	W. by S.	..	..	8	N., Cu. and Ci.
	6 25	27.2	761.55	29.848	75.4	71.8	.730	9 A. M.:	87.	SW.byW.	..	.01	8	N., Cu., raining.
	8 25	27.5	761.90	29.861	79.7	72.8	.720	(D. 67.)	82.5	WSW.	..	..	4	Cu., Ci., S., Cu-s.
	10 25	28.	762.25	29.872	81.	67.6	.523	(A. 86.)	70.	WNW.	1	..	6	Cu., Ci., Ci-cu., Ci-s. from *W.*
	12 25	29.	762.20	29.855	83.7	65.8	.435	3 P. M.:	61.	WNW.	1	..	6	Ci., Cu. from *W.*
	14 25	30.	762.00	29.852	85.5	67.	.454	(D. 60.)	60.5	WNW.	1	..	3	Ci., Cu., Ci-s.
	16 25	30.6	761.80	29.842	86.7	68.	.474	(A. 88.)	60.	WNW.	..	..	3	Ci., Cu., Ci cu. from *W.*
	18 25	30.3	762.40	29.866	80.1	*73.5?	†.741?	9 P. M.:	68.	SW.by S.	..	..	1	Ci., Cu. with Cu-s.
	20 25	25.9	762.90	29.908	72.2	66.5	.585	(D. 63.)	81.	.....	..	..	..	Clear, a few Cu. and Ci.
	22 25	24.3	763.25	29.929	67.	64.9	.592	.....	90.2	.....	..	..	..	Clear, a faint aurora.
30	0 25	22.8	763.55	29.948	68.7	62.4	.496	3 A. M.:	82.1	N. by W.	..	..	2	Cu.
	2 25	22.7	763.95	29.964	66.3	61.3	.490	(D. 57 5)	85.2	N.	..	..	2	N., very light rain.
	4 25	23.2	764.90	30.000	65.2	61.2	.499	.....	87.3	NNE.	..	..	5	Cu., Ci., N.
	6 25	23.3	765.85	30.036	66.	62.	.514	9 A. M.:	87.2	NNE.	..	..	6	Ci., Cu.
	8 25	24.5	766.40	30.053	74.7	65.5	.525	(D. 58.5)	77.	NNE.	..	..	1	Ci., Cu s.
	10 25	26.	766.85	30.064	77.2	66.	.513	(A. 84.)	72.5	ENE.	..	..	..	Light Ci., a few detached Cu.
	12 25	27.6	767.00	30.061	80.8	67.6	.524	3 P. M.:	70.5	E.	..	..	..	Ci., Cu., Ci-cu., very hazy.
	14 25	29.	766.40	30.031	83.4	67.2	.482	(D. 58.2)	66.	SW.	..	..	2	Ci., Cu., Ci-cu., very hazy.
	16 25	29.7	766.25	30.022	84.2	69.1	.538	(A. 88.)	66.9	SW.	..	..	2	Ci., Cu., Ci-cu.
	18 25	27.	765.70	30.012	77.	67.3	.558	9 P. M.:	73.9	SW.byW.	..	..	8	Ci., Cu., Ci-cu., N.
	20 25	26.3	765.90	30.024	74.	67.	.581	(D. 60.5)	81.2	SW. by S.	..	..	6	Ci., Cu., N.
	22 25	25.6	766.00	30.031	73.1	68.	.624	.....	84.2	S. by W.	..	..	..	Clear.

* Probably 68.5.

† Probably .506

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
31	0 25	25.2	765.95	30.031	69.2	66.4	.615	3 A. M.:	89.8	SSW.	..	..	4	Cu.
	2 25	25.1	765.75	30.023	67.2	65.5	.609	(D. 57.5)	91.8	SE. by S.	..	..	2	Cu.
	4 25	25.3	766.00	30.032	69.7	68.6	.683	.....	92.5	SE. by S.	..	..	..	Dense fog, sky invisible.
	6 25	25.	766.30	30.046	70.5	69.6	.708	9 A. M.:	88.4	ENE.	..	..	..	Dense fog, sky invisible.
	8 25	24.8	766.30	30.047	73.7	70.8	.714	(D. 58.5)	86.5	NE.	..	..	..	Dense fog, sky invisible.
	10 25	26.	766.70	30.058	77.	72.8	.749	(A. 85.)	84.5	E. by S.	..	..	6	Cu., Ci-cu. from *E*.
	12 25	27.5	766.20	30.030	80.7	73.7	.741	3 P. M.:	80.	ESE.	..	..	8	Cu., Ci-cu. from *E*.
	14 25	27.	765.80	30.016	78.5	72.	.703	(D. 65.5)	80.	ESE.	..	..	8	Cu. with N. *E*.
	16 25	27.3	765.40	29.999	79.1	71.	.661	(A. 80.2)	79.2	SE.	..	..	8	Cu., Ci cu. N.
	18 25	26.3	764.45	29.967	76.1	71.6	.716	9 P. M.:	85.6	ESE.	..	..	8	N., Cu., Ci., Cu-s.
	20 25	25.4	764.80	29.985	72.4	68.5	.649	(D. 64.)	86.	ESE.	..	..	..	Clear, scattered Cu.
	22 25	25.2	765.85	30.027	74.	69.7	.672	.....	86.	ENE	..	..	..	

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
1	0 25	25.7	764.05	29.954	71.3	70.	.713	3 A. M.:	91.2	E. by N.	..	..	8	N., raining lightly.
	2 25	25 5	763.35	29.926	70.5	69.3	.698	(D. 61.)	92.3	ENE.	..	..	8	N., ceased raining.
	4 25	25.2	763.00	29.914	69.4	68.	.666	(A. 67.5)	91.7	NE.	..	..	7	N. scattered.
	6 25	24.6	763.35	29.931	69.2	68.	.668	9 A. M.:	92.4	NNE.	..	..	2	N., Cu., showers.
	8 25	24.	763.50	29.940	73.	69.8	.687	(A. 83.5)	88.	NE.	..	..	8	Cu., N. from *ENE*.
	10 25	25.5	763.85	29.946	76.5	69.8	.648	.....	80.	NE. by N.	..	..	8	Cu., Ci., Ci-cu., N.
	12 25	27.	763.60	29.929	79.2	70.	.625	3 P. M.:	76.	E.	..	..	8	Cu., Ci., Ci-cu. from *E*.
	14 25	28.5	763.20	29.905	81.2	71.2	.645	(D. 65.)	74.	SE.	..	..	7	Cu., Ci., Ci-cu. from *W*.
	16 25	29.5	*763.50	29.914	84.5	70.7	.591	(A. 82.)	71.	S.	..	..	2	Cu.
	18 25	27.	763.50	29.925	77.3	72.	.716	9 P. M.:	84.3	SSE.	..	..	3	N., Cu., light rain.
	20 25	25.	763.80	29.947	74.1	71.7	.741	(D. 66.5)	86.2	SE. by S.	..	.04	1	N. in *NW.* and *N.*
	22 25	25.4	764.25	29.963	71.2	69.4	.693	.....	90.	SE. by S.	..	..	..	Clear.
3	0 25	23.6	761.35	29.858	71.6	70.	.709	3 A. M.:	91 3	SSW.	..	..	3	Cu. in *N.*
	2 25	25.9	761.10	29.837	71.6	70.5	.727	(D. 66.)	92.8	S.	..	..	4	Large Cu.
	4 25	25.2	760.85	29.831	70.6	69.4	.700	.....	90.8	SW. by S.	..	..	2	Ci. and Cu.
	6 25	25.6	761.10	29.838	72.2	70.	.703	9 A. M.:	89.9	SW. by S.	1	..	7	Ci. and Cu.
	8 25	25.5	760.90	29 831	77.	72.5	.739	(D. 69.)	85.	SW. by W.	2	..	8	Cu., Ci-cu.
	10 25	25.5	760.70	29.823	73.3	69.	.656	(A. 78.3)	86.	W.	1	.25	8	Hard rain, thunder.
	12 25	26.4	760.00	29.792	76.9	73.	.758	3. P. M.	89.	SW.	1	.37	8	Cu. from *SW.*
	14 25	28.4	759.50	29.762	81.5	74.7	.771	(D. 69.5)	81.	SW.	2	..	5	Cu., Ci-cu. from *SW.*
	16 25	28.1	759.10	29.747	81.	74.1	.754	(A. 86.)	81.1	SW.	1	..	8	Cu., Ci., N. from *SW.*
	18 25	25.	759.10	29.762	71.1	68.5	.663	9 P. M.:	91.	SSW.	4	..	8	N. from *SW.*, rain hard.
	20 25	26.3	759.90	29.788	71.7	70.5	.726	(D. 67.)	90.	S.	1	.15	7	N., clear in *W.*
	22 25	25.6	759.90	29.791	69.4	68.	.666	.....	91.1	WSW.	..	..	..	Clear.

* Recorded 767.50.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
4	0 25	24.6	759.95	29.798	70.7	69.	.686	3 A. M.:	91.3	.....	..	..	6	Cu., N.
	2 25	24.8	759.80	29.791	70.	69.2	.699	(D. 65.)	91.4	.....	..	..	..	Some N. in Hor. *E.*
	4 25	24.2	759.90	29.798	67.4	66.8	.649	.....	92.8	NW.	..	..	1	Cu. and S., foggy.
	6 25	24.7	760.75	29.830	69.8	69.5	.712	9 A. M.:	92.	NW.	..	..	..	Foggy.
	8 25	25.	760.55	29.820	70.6	72.3	.742	(D. 69.)	87.6	WSW.	..	..	1	Ci-cu., Ci., Cu. from *SW.*
	10 25	27.3	760.45	29.805	80.5	72.4	.697	(A. 76.3)	80.7	SW.	.	..	2	Ci-cu. from *SW.*
	12 25	28.7	759.60	29.764	82.3	71.6	.648	3 P. M.:	74.5	WSW.	1	..	4	Ci-cu. from *SW.*
	14 25	29.4	759.65	29.763	82.1	74.2	.745	(D. 68.)	77.9	WSW.	1	..	5	Cu., Ci. from *SW.*
	16 25	29.4	758.15	29.704	83.5	75.9	.795	(A. 84.5)	80.	WSW.	1	..	7	Ci-cu., N. from *SW.*
	18 25	28.6	757.75	29.693	81.	76.	.827	9 P. M.:	87.	WSW.	1	..	8	N., Cu., Ci-cu. from *SW.*
	20 25	27.3	758.75	29.738	73.	71.	.729	(D. 67.)	92.2	WNW.	1	.04	8	N., rain since last observation.
	22 25	27.3	758.60	29.732	73.1	71.1	.731	.....	92.	WSW.	..	..	7	N., partially clear in *NW.*
5	0 25	26.6	758.05	29.713	73.	71.5	.747	3 A. M.:	91.7	SW.	..	..	6	Cu.
	2 25	26.7	757.85	29.706	73.5	72.4	.774	(D. 70.5)	91.6	SW.	..	..	8	N., Cu.
	4 25	26.5	757.75	29.703	73.7	72.7	.782	.....	91.9	SW.	..	..	8	N.
	6 25	27.	758.25	29.719	74.	70.5	.700	9 A. M.:	87.3	W.	..	..	5	Ci-cu.
	8 25	25.9	758.55	29.737	76.	68.4	.606	(D. 62.5)	78.4	NW.	1	..	1	Cu., Ci.
	10 25	26.8	759.90	29.786	77.5	67.5	.560	(A. 76.)	73.7	NW.	..	..	6	Ci., Ci-cu., Cu.
	12 25	27.4	758.20	29.716	80.	67.4	.529	3 P. M.:	70.7	W.	..	..	1	Ci., Ci cu.
	14 25	28.4	758.10	29.707	83.	69.4	.663	(D. 61.)	67.4	WNW.	1	..	1	Ci., Cu., Ci-cu.
	16 25	29.3	757.75	29.790	84.	71.	.608	(A. 82.)	68.9	W.	1	..	..	Clear, a few Ci. and Ci-cu.
	18 25	28.7	757.95	29.700	78.	69.5	.621	9 P. M.:	74.5	WSW.	1	..	..	Hazy.
	20 25	26.	758.85	29.736	68.4	66.4	.624	(D. 56.)	84.8	WSW.	..	..	..	Clear.
	22 25	24.7	758.90	29.758	67.	63.1	.537	.....	86.	WSW.	..	..	..	Clear.

4th, at 19*h.* 30*m.*, wind NW. by W.; force 6 lbs., and continues about 10 minutes.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
6	0	25	25.2	758.80	29.751	69.7	61.6	.463	3 A. M.:	77.8	WSW.	..	..	1	Cu.
	2	25	25.3	758.55	29.741	67.6	60.9	.465	(D. 58.5)	79.8	W. by N.	..	..	..	Clear.
	4	25	24.1	758.50	29.744	66.9	60.8	.470	.....	80.7	SW.byW.	..	..	5	Ci-cu.
	6	25	24.	758.20	29.732	68.2	64.4	.563	9 A. M.:	82.9	SW.byW.	..	..	6	Cu., Ci., Ci-cu.
	8	25	24.9	757.95	29.718	75.2	66.7	.559	(D. 59.5)	78.4	W.	..	..	..	Cu., Ci-cu.
	10	25	26.5	757.85	29.707	79.6	69.6	.608	(A. 76.3)	78.1	SW.	1	..	3	Ci-cu., Ci-s. in *E.* Hor.
	12	25	28.	756.20	29.635	80.2	68.5	.563	3 P. M.:	71.4	WSW.	2	..	4	Ci-cu., Ci-s. from *SW.*
	14	25	29.6	756.60	29.643	83.1	68.8	.541	(D. 61.)	67.3	WSW.	2	..	5	Ci-cu., Cu. from *SW.*
	16	25	29.3	755.75	29.611	83.7	70.9	.607	(A. 82.)	71.5	WSW.	1	..	..	A few Ci-cu.
	18	25	28.4	755.25	29.595	78.5	68.5	.582	9 P. M.:	74.9	WSW.	1	..	1	Ci., Ci s., Cu.
	20	25	26.3	754.75	29.587	74.6	68.1	.611	(D. 62.5)	83.	SW.	1	..	6	Ci., Cu., Ci-cu.
	22	25	25.8	754.65	29.585	74.3	70.	.680	.....	87.7	SW.byW.	1	..	6	Dark Cu., with Ci.
7	0	25	25.9	755.00	29.598	72.8	69.9	.693	3 A. M.:	89.6	W. by S.	1	..	8	Cu., N.
	2	25	25.7	756.00	29.637	70.5	65.9	.585	(D. 61.)	85.1	NW.byN.	..	..	8	Cu., N.
	4	25	25.2	756.65	29.666	69.9	64.1	.535	.....	83.2	NW.byN.	..	..	8	Cu., N.
	6	25	23.8	757.95	29.724	68.5	63.9	.544	9 A. M.:	82.8	NW.byN.	..	..	8	Cu., N.
	8	25	23.8	758.55	29.747	68.5	64.5	.563	(D. 61.5)	85.2	NW.byW.	..	..	7	Cu., Ci-cu., Ci-s.
	10	25	23.7	758.45	29.743	68.2	60.2	.439	(A. 91.5)	78.3	NW.byW.	..	..	8	Cu., N.
	12	25	24.	758.30	29.736	68.6	60.6	.446	3 P. M.:	79.4	NW.byW.	..	..	8	Cu., N., some rain.
	14	25	23.	758.40	29.741	67.2	61.9	.499	(D. 59.)	81.	WSW.	..	..	8	N., Ci-cu., raining.
	16	25	21.8	758.60	29.759	64.	59.1	.454	(A. 73.)	84.2	SW. by S.	..	.02	8	N., Cu., Ci., Ci-cu., Ci-s., from *W.*
	18	25	21.6	758.00	29.736	65.5	60.5	.477	9 P. M.:	84.2	SW. by S.	..	.02	8	N., Cu., Ci-cu.
	20	25	21.8	758.20	29.743	62.5	59.6	.484	(D. 56.)	88.1	SW. by S.	..	..	8	Cu., N.
	22	25	21.9	758.25	29.745	62.5	59.9	.492	.....	89.2	W. by S.	..	..	8	Cu., N.

Date. Day.	Hour.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Therm'rs, Fah. Dry.	Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Force, lbs.	Rain, inches.	Sky covered, 8ths.	Clouds, &c.
	h. m.													
8	0 25	21.3	757.95	29.736	62.4	60.7	.517	3 A. M.:	90.9	W. by S.	..	..	8	N., raining.
	2 25	20.9	757.40	29.717	61.8	60.	.503	(D. 55.4)	92.	N. by W.	..	.02	8	N., raining.
	4 25	20.7	757.10	29.705	61.6	59.4	.489	.....	89.8	N. by W.	..	..	8	N., Cu., ceased rain.
	6 25	20.7	757.85	29.735	62.	59.	.488	9 A. M.:	89.4	N. by W.	..	.01	7	Ci. and Ci-cu.
	8 25	21.1	757.85	29.732	66.3	62.3	.521	(D. 59.5)	85.4	NNW.	..	..	7	Cu., Ci.
	10 25	22.7	758.60	29.755	72.1	66.	.570	(A. 68.5)	81.6	NNW.	..	..	7	Cu.
	12 25	24.5	758.50	29.742	75.2	64.2	.479	3 P. M.:	70.6	WNW.	1	..	6	Cu., N.
	14 25	25.6	758.40	29.732	76.6	63.6	.445	(D. 51.)	67.5	WNW.	1	..	1	Cu.
	16 25	26.1	758.75	29.744	77.5	61.2	.363	(A. 71.)	63.5	NW.	1	..	1	Cu., Ci.
	18 25	24.5	759.65	29.787	71.5	62.5	.468	9 P. M.:	73.9	NW by N.	..	..	3	Ci-s, Cu., a few Ci.
	20 25	22.5	761.15	29.855	63.2	60.	.488	(D. 51.)	84.	NW by N.	..	..	..	Clear.
	22 25	22.9	761.45	29.866	62.3	58.6	.458	.....	85.5	NW by N.	..	..	..	Clear.
10	0 25	19.8	766.60	30.082	59.9	56.5	.428	3 A. M.:	83.9	N.	..	..	..	Clear.
	2 25	20.4	766.90	30.091	56.6	54.3	.407	(D. 51.)	89.2	NE.	..	..	..	Clear.
	4 25	20.2	767.35	30.111	54.9	53.1	.395	.....	91.6	NE.	..	..	1	A few Ci. in *NE.*
	6 25	20.3	768.40	30.151	57.5	55.1	.418	9 A. M.:	90.3	NE.	..	..	..	Clear.
	8 25	20.3	768.40	30.151	66.2	59.7	.446	(D. 56.)	80.1	ENE.	..	..	2	Ci., Cu.*
	10 25	22.3	768.55	30.147	70.7	61.6	.451	(A. 68.)	76.7	S.	1	..	2	Ci., Ci-s. in *N.*, Cu.
	12 25	23.6	768.15	30.125	73.7	62.7	.449	3 P. M.:	70.2	W.	1	..	2	Cu., Ci.
	14 25	25.	767.60	30.096	75.7	63.4	.448	(D. 54.)	68.3	NW.	1	..	5	Cu., Ci., Ci s., N.
	16 25	26.3	767.40	30.082	77.6	65.6	.496	(A. 70.)	69.6	W.	1	..	8	Ci., Ci-cu., Cu., Ci-s., N.
	18 25	25.7	767.30	30.081	72.1	63.	.476	9 P. M.:	74.5	W.	..	..	7	Ci., Ci-cu., Ci s., Cu.
	20 25	23.4	767.15	30.086	67.	63.	.533	(D. 55.)	85.9	W.	..	..	3	Ci., Ci-s., Ci cu.
	22 25	22.6	766.90	30.071	63.8	61.5	.524	.....	89.	W.	..	..	7	Cu., Ci., Ci-s.

* 10th, 8*h.* 25*m.*, clouds as follows: "Four principal waving linear cirri, not unlike the feathers of the ostrich; two of them extending 120° from north to south, all proceeding from a cumulus. Also, other cirri."

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
11	0	25	23.2	766.70	30.062	64.4	62.	.532	3 A. M.:	89.9	SW.	..	..	7	N., Ci-cu.
	2	25	23.	766.20	30.053	66.	64.	.575	(D. 58.)	92.1	SW.	..	..	8	Cu., Ci., N., Ci-cu.
	4	25	22.7	765.55	30.027	64.5	63.3	.571	.....	94.	SW.	..	..	7	Cu., Ci., Ci-cu., Cu-s.
	6	25	21.9	765.50	30.028	66.6	65.	.599	9 A. M.:	93.6	W.	..	..	7	Ci., Cu., Ci cu.
	8	25	23.2	765 40	30.019	73.	68.5	.642	(D. 64.5)	86.5	W. by N.	1	..	7	Cu., Ci., Ci-cu.
	10	25	25.	765.20	30.002	76.1	70.	.659	(A. 73.)	83.2	W. by N.	..	..	6	Cu., Ci., Ci-cu.
	12	25	26.2	764.40	29.966	78.2	70.7	.661	3 P. M.:	80.8	W. by N.	..	..	5	Cu., Ci., Ci cu.
	14	25	27.2	763.35	29.918	80.2	70.6	.634	(D. 64.)	71.	W.	..	..	7	N., Cu., Ci-cu.
	16	25	26.6	762.50	29.888	77.7	69.1	.610	(A. 74.)	67.5?	SW.	1	..	8	N., Ci., Cu., Ci-cu. from *W.*
	18	25	24.7	762.85	29.898	71.3	66.6	.599	9 P. M.:	86.	E.	1	..	8	N., Cu., Cu s., raining lightly.
	20	25	24.4	762.50	29.913	70.1	66.5	.608	(D. 59.)	89.1	E.	..	.02	8	N., raining hard.
	22	25	24.3	762 90	29.915	66.	64.5	.590	.....	91.2	E.	..	.14	8	N., Cu.
12	0	25	23.6	762.75	29.913	65.4	64.3	.591	3 A. M.:	92.2	E.	..	..	4	Cu., Ci-cu., Cu-s.
	2	25	22.8	761.25	29.858	64.	63.1	.570	(D. 55.5)	93.3	E.	..	..	4	Ci., Ci-s.
	4	25	21.8	761.05	29.855	63.	62.5	.562	.....	92.3	E.	..	..	..	S., N.
	6	25	21.9	761.45	29.871	66.	65.5	.622	9 A. M.:	90.9	E.	..	..	..	Thick fog.
	8	25	22.7	761.50	29.869	71.1	69.	.681	(D. 68.2)	90.1	NE.	..	..	8	Slightly overcast, Ci-s., Cu.
	10	25	24.9	761.45	29.857	76.	71.6	.717	(A. 74.)	86.	SE.	..	..	8	Ci., Ci-s., Cu., slight fog.
	12	25	26.7	760.80	29.822	79.5	72.7	.717	3 P. M.:	80.5	SSW.	..	..	8	Ci-cu., Ci., Cu.
	14	25	28.2	759.65	29.869	83.6	74.6	.744	(D. 68.)	76.5	SW.	1	..	7	Ci-cu., Ci., Cu.
	16	25	29.	759.35	29.753	83.8	73.2	.689	(A. 84.)	76.8	SW.	..	..	8	N., Cu., Ci., Ci cu. from *SW.*
	18	25	27.2	759.30	29 747	78.8	72.	.700	9 P. M.:	80.6	S.	..	..	8	Cu., Ci-cu., Ci-s., Cu-s.
	20	25	26.4	759.50	29.759	76.6	71.6	.711	(D. 61.)	84.3	SW. by W.	..	..	8	N., Ci s., Cu s.
	22	25	26.2	760.35	29.807	69.8	68.6	.682	.....	....	NE.	1	.25	8	N., raining tremendously.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
13	0	25	25.2	759.65	29.784	72.3	65.6	.557	3 A. M.:	92.7	S.	..	..	8	N., raining hard at intervals.
	2	25	24.7	758.60	29.746	67.7	67.4	.665	(D. 62.)	90.1	SSW.	.	.08	8	N., rain, hard and constant.
	4	25	24.5	758.70	29.750	68.	67.6	.668	.....	92.4	SSW.	..	.28	8	N., thunder storm.
	6	25	22.7	758.60	29.754	68.1	67.6	.666	9 A. M.:	92.8	SSE.	..	.25	8	Still raining hard.
	8	25	23.7	758.35	29.740	71.2	69.1	.683	(D. 69.)	88.8	SW. by W.	..	.25	6	N., Ci-cu., Cu-s.
	10	25	24.1	758.00	29.724	73.5	71.5	.741	(A. 74.)	88.3	SSE.	1	.03	8	N., Cu., raining.
	12	25	25.	756.90	29.681	74.5	71.5	.730	.....	88.4	SE.	1	.27	8	N., Cu.
	14	25	24.7	755.95	29.642	73.	71.2	.736	.....	88.2	E. by S.	1	..	8	N., raining.
	16	25	23.4	* 754.70	29.599	71.4	70.3	.722	.....	93.2	SSE.	5	1.00	8	N., raining very hard.
	18	25	24.2	754.20	29.576	71.6	71.1	.745	9 P. M.:	93.4	SSE.	1	1.00	8	N., Ci-cu. from *S.*
	20	25	24.3	753.60	29.552	71.1	70.2	.722	(D. 67.5)	92.3	S.	1	..	8	N., Ci-s., raining.
	22	25	24.	753.15	29.535	72.6	70.5	.716	.....	90.3	SSW.	..	.06	8	N.
14	0	25	23.7	753.55	29.552	72.1	68.9	.766	3 A. M.:	88.8	W.	..	..	8	N., Cu., Ci., Ci-s.
	2	25	22.6	753.75	29.565	69.3	66.4	.614	(D. 59.)	87.5	W.	..	..	8	N., Ci-cu., S., Ci-s.
	4	25	21.2	754.15	29,589	67.7	64.4	.569	.....	86.9	NW.	..	..	8	N., Cu., Cu-s., Ci-cu.
	6	25	21.8	755.35	29.632	67.7	65.2	.594	9 A. M.:	89.4	W.	.	..	8	Cu., Ci., Ci s.
	8	25	21.9	756.00	29.657	70.	66.1	.597	(D. 65.)	86.5	NW.	1	..	5	Cu., Ci s.
	10	25	23.	756.85	29.685	72.1	65.8	.575	(A. 71.)	82.2	WNW.	1	..	4	Cu., Ci-cu., Ci., Ci-s.
	12	25	24.	756.80	29.675	75.6	67.2	.572	3 P. M.:	79.3	WNW.	..	..	2	Cu , Ci-cu., Ci., Ci-s.
	14	25	26.1	757.00	29.676	78.4	67.3	.544	(D. 64.)	75.2	WNW.	..	..	1	Ci-cu., Cu., Ci.
	16	25	27.9	757.50	29.687	80.5	66.5	.494	(A. 78.)	68.	WNW.	1	..	..	Ci cu.
	18	25	27.8	758.35	29.720	75.	67.7	.594	9 P. M.:	77.5	WNW.	..	..	..	Ci., Ci-cu., dark Cu. in *NW.*
	20	25	25.3	759.55	29.779	71.	68.2	.555	(D. 63.2)	88.5	WNW.	..	..	6	N., Cu., Cu-s.
	22	25	24.7	760.10	29.804	70.5	67.8	.648	.....	88.4	WNW.	..	..	7	N., Cu.

* Recorded 764.70.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
15	0	25	23.6	760.65	29.832	68.5	65.9	.608	3 A. M.:	90.	W.	..	..	6	Ci., Cu., Cu-s.
	2	25	22.7	760.75	29.840	66.2	64.1	.576	(D. 65.)	91.4	NW.	..	..	1	Ci., Cu-s.
	4	25	22.6	761.70	29.877	65.	62.6	.544	.....	86.5	NNW.	..	..	..	Clear, a small Ci-s.
	6	25	22.5	762.70	29.916	64.7	62.2	.535	9 A. M.:	89.	N.	..	..	..	Clear, a few very small Ci.
	8	25	23.2	763.75	29.954	70.9	63.6	.507	(D. 60.)	79.1	ENE.	..	..	1	Clear, Ci., Ci-s.
	10	25	24.5	764.60	29.981	73.5	65.4	.535	(A. 74.)	75.2	E.	..	..	½	Clear, Ci., Ci-s.
	12	25	25.7	764.50	29.972	77.5	65.6	.497	3 P. M.:	71.2	NE.	..	..	..	Clear, Ci., Ci-s.
	14	25	27.7	764.50	29.963	80.5	68.2	.549	(D. 61.)	68.2	E.	..	..	2	Cu., Ci.
	16	25	28.5	764.35	29.953	82.	70.6	.613	(A. 78.)	71.	ENE.	..	..	1	Cu., Ci-s.
	18	25	....	764.30	.....	74.5	67.6	.595	9 P. M.:	78.1	E.	..	..	2	Ci., Ci-s., Ci-cu.
	20	25	24.4	765.35	30.011	70.	64.	.530	(D. 59.7)	81.	SE.	..	..	..	Cl. Exc. Ci-cu. in *NW.*, and some faint Ci.
	22	25	23.9	765.10	30.003	65.3	63.5	.568	.....	89.	NE.	..	..	4	Ci., and in Hor. Ci s.
17	0	25	21.8	770.15	30.212	65.5	64.3	.590	3 A. M.:	90.9	NE.	..	..	3	Ci., Cu.
	2	25	22.7	770.35	30.215	64.3	63.4	.576	(D. 62.)	92.2	NE.	..	..	1	Ci., Ci-s., Cu.
	4	25	22.5	770.75	30.232	64.8	63.6	.575	.....	91.2	NE.	..	..	8	Cu., Ci-cu.
	6	25	22.9	771.75	30.269	65.6	64.	.579	9 A. M.:	90.	NE.	..	..	7	Ci., Cu., Ci-s., Ci-cu.
	8	25	23.4	772.10	30.281	71.9	67.4	.618	(D. 66.)	84.2	ENE.	..	..	7	Ci., Ci-s.
	10	25	25.	772.40	30.284	75.	69.8	.664	(A. 72.)	84.4	ENE.	..	..	6	Cu., Ci., Ci-s.
	12	25	26.2	772.85	30.297	77.8	70.	.639	3 P. M.:	79.	ENE.	..	..	6	Cu., Ci., N.
	14	25	27.7	772.55	30.277	80.2	70.9	.644	(D. 64.)	74.6	ENE.	..	..	6	Ci., Cu., Ci-s.
	16	25	27.5	772.00	30.257	79.2	70.	.624	(A. 77.)	74.9	ESE.	..	..	3	Cu. inclined to N.
	18	25	25.	771.85	30.262	72.6	65.	.532	9 P. M.:	75.3	SSE.	1	..	1	Ci-cu. and Ci-s. in Hor. *W.*
	20	25	25.7	772.40	30.281	73.	62.3	.445	(D. 61.)	82.	SE.	..	..	..	S. in *W.* and *NW.*, clear.
	22	25	24.3	772.35	30.286	62.9	61.3	.528	.....	90.2	SE.	..	..	..	Clear.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fahr.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
18	0 25	22.	772.25	30.292	63.1	61.4	.529	3 A. M.:	90.7	SE.	..	..	8	Ci., Cu., Ci cu., Ci-s.
	2 25	21.	771.80	30.279	62.1	61.	.529	(D. 58.5)	92.8	SE.	..	..	8	Ci., Ci-s., Cu.
	4 25	21.5	771.90	30.280	62.4	61.2	.531	.....	93.2	SE.	..	..	8	Ci., Cu., Ci-cu., Cu-s.
	6 25	21.2	772.40	30.303	63.5	62.	.542	9 A. M.:	91.3	SE.	..	..	8	Ci., Ci-s., Cu.
	8 25	21.6	772.60	30.308	68.4	65.2	.585	(D. 63.5)	86.2	SE.	..	..	7	Ci., Cu., Ci-s., Ci-cu.
	10 25	22.6	772.70	30.307	71.5	65.8	.570	(A. 71.)	82.4	SE.	..	..	7	Ci cu., Ci-s., Cu., Ci.
	12 25	24.	772.20	30.281	74.	64.7	.507	3 P. M.:	75.6	W.	..	..	3	Ci-cu., Ci-s., Cu., Ci.
	14 25	26.2	771.40	30.239	78.4	67.1	.533	(D. 64.)	73.4	W.	..	..	1	Cu., Ci-s., Ci.
	16 25	27.3	771.00	30.217	79.8	68.9	.578	(A. 77.)	72.2	SSW.	..	..	..	Cu. around Hor.
	18 25	26.5	770.30	30.194	73.5	67.9	.616	9 P. M.:	79.5	W. by S.	..	..	..	Cu. near Hor. *SW.*
	20 25	25.1	770.40	30.205	67.7	65.	.587	(D. 62.)	88.2	W. by S.	..	..	..	Clear.
	22 25	24.2	770.25	30.204	65.8	64.3	.586	.....	91.	W. by S.	..	..	..	Clear.
19	0 25	23.1	769.85	30.194	64.	63.1	.570	3 A. M.:	91.5	W. by S.	..	..	2	Ci.
	2 25	23.3	769.70	30.186	65.	63.6	.573	(D. 59.8)	91.8	W. by S.	..	..	1	Clear, very few clouds.
	4 25	22.4	769.25	30.174	63.7	63.	.570	.....	92.5	W. by S.	..	..	2	Ci., Ci-s.
	6 25	21.8	769.30	30.179	65.5	64.3	.590	9 A. M.:	89.3	W. by S.	..	..	3	Ci., Ci-s.
	8 25	23.4	769.10	30.163	72.8	67.1	.597	(D. 62.)	82.3	W. by S.	..	..	2	Ci. and light Cu.
	10 25	24.6	769.20	30.162	76.4	68.2	.594	(A. 73.)	78.2	W. by S.	..	..	2	Ci-s., Ci., Cu.
	12 25	25.7	768.50	30.129	77.3	68.5	.593	3 P. M.:	74.	SW.	..	..	2	Ci-s., Ci., Cu.
	14 25	27.8	767.40	30.075	80.6	68.4	.553	(D. 61.)	72.2	SSW.	..	..	3	Ci., Cu., Ci-s., Ci-cu.
	16 25	28.5	766.75	30.047	81.8	69.1	.566	(A. 81.5)	69.2	WSW.	..	..	4	Ci.
	18 25	27.5	766.40	30.038	78.4	68.1	.569	9 P. M.:	72.	SW.	..	..	2	S., Ci-s. in *W.*, Ci-cu.
	20 25	25.6	766.15	30.037	72.	66.6	.591	(D. 64.5)	81.2	SW.	..	..	..	Ci-s. in *NW.*, auroral light in *N.*
	22 25	24.	766.00	30.039	70.7	67.6	.638	.....	88.	SW.	..	..	..	S., and aurora continues in *N.* and *NW.*

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fahr.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
20	0 25	23.5	765.70	30.030	69.	67.2	.644	3 A. M.:	90.2	SW.	..	..	1	Clear, Exc. few Ci.
	2 25	23.6	764.95	29.999	67.2	65.9	.622	(D. 60.5)	90.9	SW.	..	..	½	Clear, Exc. Ci-s.
	4 25	23.1	765.00	30.003	66.5	65.2	.607	.....	90.8	SW.	..	..	1	Clear, Ci., Ci-s.
	6 25	24.	765.15	30.005	70.2	67.1	.627	9 A. M.:	91.1	SW.	..	..	½	Clear, Ci., Ci-s.
	8 25	24.8	765.05	29.997	74.3	69.7	.669	(D. 66.5)	88.	SW.	..	..	..	Clear.
	10 25	26.	764.70	29.978	79.6	73.1	.731	(A. 77.2)	82.5	SW.	..	..	2	Cu., Ci., Ci-cu.
	12 25	27.8	764.45	29.960	82.1	73.2	.707	3 P. M.:	77.5	S.	..	..	3	Cu., Ci.
	14 25	28.7	763.80	29.929	82.9	72.2	.662	(D. 63.5)	74.9	S. by W.	1	..	3	Cu., Ci.
	16 25	30.	763.70	29.919	84.5	73.2	.682	(A. 83.)	73.5	SW.	..	..	2	Cu., Ci-s.
	18 25	28.6	763.30	29.910	80.6	73.3	.729	9 P. M.:	77.	SW.	..	..	3	Ci-s. in *W.*, hazy.
	20 25	25.9	763.90	29.947	74.5	71.	.712	(D. 66.5)	87.2	SW.	..	..	..	Clear.
	22 25	26.3	763.90	29.945	73.5	70.	.688	.....	89.1	S.	..	..	..	Clear.
21	0 25	25.2	764.10	29.958	71.2	69.	.680	3 A. M.:	88.9	SW.	..	..	..	Clear.
	2 25	23.9	763.85	29.954	69.1	67.3	.646	(D. 63.)	92.5	SW.	..	..	..	Clear.
	4 25	23.1	763.65	29.951	67.1	65.5	.610	.....	91.9	SW.	..	..	1	Ci., Ci-s., Cu-s.
	6 25	23.2	764.00	29.964	68.9	67.6	.658	9 A. M.:	91.7	SSW.	..	..	1	Ci., Ci-s.
	8 25	24.7	764.10	29.961	74.3	71.1	.718	(D. 66.5)	88.5	S.	..	..	4	Ci., Ci-s., Cu.
	10 25	26.5	764.50	29.968	78.7	74.2	.782	(A. 74.7)	88.3	SW.	..	..	6	Cu., N.
	12 25	28.3	764.35	29.953	82.	74.	.738	3 P. M.:	82.	SSW.	1	..	5	N., Cu.
	14 25	29.5	763.70	29.922	83.7	75.4	.774	(D. 69.5)	79.1	SW.	..	..	6	Cu., N.
	16 25	30.5	763.40	29.904	86.	76.8	.804	(A. 81.8)	79.1	SSW.	..	..	5	Cu., Ci.
	18 25	27.7	763.10	29.906	77.8	73.4	.763	9 P. M.:	87.1	SW.	..	..	½	Ci-cu., Ci-s.
	20 25	27.8	763.50	29.922	73.8	70.6	.706	(D. 64.)	91.	S.	..	..	..	Clear.
	22 25	27.	763.60	29.930	71.3	69.	.679	.....	90.2	S.	..	..	..	Clear.

Date.	Hour.		Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Sky covered, Sths.	Clouds, &c.
	h.	m.													
22	0	25	26.1	763.50	29.930	71.2	69.6	.700	3 A. M:	91 8	S.	..	..	..	Clear.
	2	25	24.5	762.95	29.917	70.6	69.	.686	(D. 66.)	92.3	S.	..	..	..	Clear.
	4	25	22.9	763.00	29.926	69.9	68.5	.676	.....	94.1	S.	..	..	4	Ci-cu.
	6	25	23.7	763.75	29.952	72.2	70.3	.713	9 A. M.:	92.3	SE. by S.	..	..	?	Slightly overcast.
	8	25	25.1	764.00	29.955	75.1	72.7	.766	(D. 68.)	90.2	SE.	..	..	?	Slightly overcast, and a little misty.
	10	25	26.3	764.20	29.957	78.	73.8	.775	(A. 74.9)	88.4	SSW.	..	..	5	Cu., Ci-cu., Ci.
	12	25	28.3	763.65	29.925	82.4	75.5	.791	3 P. M.:	83.7	SSW.	1	..	5	Heavy Cu., Ci-cu., Ci.
	14	25	29.6	762.75	29.884	84.2	76.7	.819	(D. 70.5)	80.2	SW.	1	..	6	Cu., Ci-s., Ci-cu., Ci.
	16	25	31.1	762.35	29.861	87.1	76.	.760	(A. 84.)	77.8	SW.	1	..	½	Cu., Ci-cu., Ci-s.
	18	25	29.9	762.15	29.859	81.3	75.9	.819	9 P. M.:	85.	SSW.	..	..	..	Ci-cu. in *NW.*
	20	25	27.	762.20	29.875	77.	73.5	.775	(D. 71.)	88.6	SSW.	..	..	..	Clear.
	22	25	27.2	762.40	29.881	74.9	73.	.780	.....	94.	S.	..	..	..	Clear.
24	0	25	25.	759.85	29.792	68.3	66.7	.635	3 A. M.:	94.1	SW. by W.	..	..	6	Large Cu and N.
	2	25	22.9	759.60	29.793	67.	64.5	.579	(D. 62.)	90.7	W. by S.	..	..	6	N., large thick Cu.
	4	25	22.7	759.65	29.795	66.7	63.5	.552	.....	89.9	W. by N.	..	..	7	Cu., Ci cu., S., N.?
	6	25	22.9	760.45	29.827	66.1	63.1	.547	9 A. M.;	89.2	NW.	..	..	5	Ci., Ci-cu., N.
	8	25	23.4	761.50	29.865	69.9	65.	.562	(D. 61.5)	86.	NW.	..	..	1	S., Cu., Cu-s.
	10	25	24.3	761.85	29.875	74.2	66.7	.570	(A. 72.)	81.4	WNW.	..	..	1	Cu., Ci-s., Ci.
	12	25	25.4	761.40	29.851	76.7	67.1	.554	3 P. M.:	77.4	WNW.	..	..	1	Cu., Ci-cu., Ci.
	14	25	27.1	760.90	29.824	79.7	67.6	.538	(D. 58.5)	73.2	WNW.	..	..	1	Cu., Ci., Ci-s.
	16	25	28.	761.50	29.843	81.	*69.2	.578	(A. 79.)	72.8	WNW.	..	..	1	Cu., Ci-cu., Ci-s.
	18	25	27.1	761.15	29.833	74.8	68.1	.609	9 P. M.:	79.7	SW.	..	..	2	Ci-cu., Ci-s., with N. in *S.*
	20	25	25.2	761.50	29.856	69.5	67.	.631	(D. 63)	86.5	SW.	..	..	..	Clear.
	22	25	23.8	761.40	29.859	67.5	66.4	.634	.....	90.9	SW.	..	..	1	S. and N.

* Recorded 79.2.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
25	0	25	22.8	761.25	29.858	69.5	66 5	.615	3 A. M.:	86.2	NNW.	1	..	7	Thick heavy N.
	2	25	21.4	760.95	29.854	67.2	62.6	.519	(D. 59.)	85.4	NNW.	..	..	4	N.
	4	25	21.7	761.40	29.869	65.1	61.5	.510	.....	87.1	NNW.	..	..	2	N., S.
	6	25	22.7	762.85	29.921	64.	60.6	.496	9 A. M.:	87.5	NNW.	1	..	1	Cu., Cu-s.
	8	25	22.5	763.45	29.945	67.5	62.4	.510	(D. 55.5)	84.2	NNW.	1	..	..	Clear, Exc. 2 or 3 small S.
	10	25	22.7	763.60	29.950	71.6	63.2	.489	(A. 75.)	78.8	NNW.	1	..	1	Cu., Ci-s., Ci.
	12	25	24.	763.80	29.952	73.8	63.6	.475	3 P. M.:	75.	NNW.	1	..	5	N., Cu., Ci., Ci cu.
	14	25	25.2	763.75	29.945	75.4	62.6	.428	(D. 49.5)	69.3	NNW.	1	..	5	N., Cu., Ci., Ci-cu.
	16	25	25.5	763.85	29.946	76.5	63.7	.448	(A. 75.2)	69.	NNW.	1	..	1	Dark Cu.
	18	25	23.3	764.20	29.971	69.9	61.9	.467	9 P. M.:	77.9	N.	..	..	..	Dark Cu. and fleecy clouds.
	20	25	24.	765.25	30.009	63.8	59.8	.475	(D. 54.)	85.9	N.	..	..	..	Clear, a few Ci-s. in *W.*
	22	25	22.9	766.00	30.045	60.5	56.7	.426	.....	86.	N.	..	..	..	Clear.
26	0	25	21.8	766.00	30.049	59.	56.1	.426	3 A. M.:	86.3	N.	..	..	4	N.
	2	25	20.8	765.55	30.036	59.5	54.8	.386	(D. 52.5)	84.1	N.	..	..	8	N.
	4	25	19.3	765.25	30.031	57.4	53.5	.377	.....	85.2	N.	..	..	5	N. and few Ci.
	6	26	19.1	766.30	30.074	56.5	54.	.400	9 A. M.:	88.	NW.	..	..	..	Cu., Ci-s., Ci., Ci-cu.
	8	25	19.2	766.50	30.082	63.9	58.	.423	(D. 52.)	81.9	NNE.	..	..	1	S., Cu., Ci.
	10	25	21.	766.60	30.077	68.1	61.6	.479	.....	79.8	NE.	..	..	1	Cu., Ci.
	12	25	22.2	766.60	30.071	70.6	60.8	.427	3 P. M.:	75.2	NW.	..	..	4	Cu., Ci.
	14	25	24.2	765.80	30.030	73.3	63.8	.487	(D. 54.)	73.4	NE.	..	..	2	Cu., Ci-s., Ci.
	16	25	24.9	765.45	30.012	75.3	66.1	.537	(A. 74.)	74.	ENE.	..	..	7	Sky milky, Ci-s.
	18	25	23.8	765.20	30.007	71.5	64.1	.516	9 P. M.:	76.1	ENE.	..	..	1	Cu., Ci-s.
	20	25	21.9	765.35	30.023	63.5	60.1	.487	(D. 57.)	87.9	ENE.	..	..	..	Dark, hazy.
	22	25	22.9	765.50	30.025	62.2	59.6	.487	.....	88.1	E.	..	..	1	S., hazy.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
27	0 25	22.2	765.50	30.027	59.	57.9	.476	3 A. M.:	94.3	E.	..	..	1	Cu-s.
	2 25	20.6	765.30	30.027	57.1	56.5	.458	(D. 56.8)	93.4	E.	..	..	3	N.
	4 25	20.2	765.10	30.021	59.	58.	.478	.....	92.7	E.	..	..	8	Overcast, dark.
	6 25	20.1	765.30	30.030	60.	59.	.495	9 A. M.:	92.9	E.	..	..	7	Ci-cu., Ci., Cu.
	8 25	20.4	765.25	30.025	66.1	62.6	.531	(D. 58.5)	86.4	E.	..	..	6	Cu., Ci-cu., Ci.
	10 25	22.4	764.85	30.002	70.7	64.5	.538	.....	80.	ENE.	..	..	3	Cu., Ci., Ci-s.
	12 25	24.1	764.60	29.983	73.7	64.3	.498	3 P. M.:	75.3	ENE.	..	..	5	Cu., N., Ci.
	14 25	25.2	764.20	29.963	76.	66.	.526	(D. 54.5)	72.8	NW.	..	..	4	Ci-s., Cu., Ci., Ci-cu.
	16 25	26.1	764.15	29.956	77.8	66.1	.509	(A. 76.2)	71.9	NE.	..	..	3	Ci., Ci-s., dark Cu.
	18 25	24.7	764.50	29.977	71.1	64.1	.521	9 P. M.:	80.1	E.	1	..	2	Ci., dark Cu., and Ci-s.
	20 25	25.2	764.65	29.980	67.3	63.	.530	(D. 56.)	83.9	ESE.	..	..	..	Clear, few light Ci.
	22 25	24.3	764.60	29.982	63.	61.5	.533	.....	88.9	ESE.	..	..	2	N.
28	0 25	22.7	764.35	29.980	62.9	60.8	.514	3 A. M.:	90.1	E.	..	..	8	N.
	2 25	22.3	764.10	29.972	63.	61.3	.527	(D. 59.8)	91.	ENE.	..	..	8	N.
	4 25	22.1	764.35	29.982	63.5	62.	.542	.....	91.8	ENE.	1	..	8	N., dense.
	6 25	20.1	764.55	30.001	64.3	62.5	.548	9 A. M.:	91.3	NE.	..	..	8	N., raining slightly.
	8 25	22.2	765.00	30.007	70.7	67.	.619	(D. 64.)	86.9	ENE.	..	..	8	Cu., N.
	10 25	24.3	765.20	30.005	74.4	68.2	.617	(A. 74.)	82.7	ESE.	1	..	6	Cu., Ci-cu., N., S.
	12 25	25.2	765.15	29.999	76.8	69.2	.623	3 P. M.:	82.	ESE.	1	..	6	N., Cu., Ci-s., Ci-cu.
	14 25	26.3	764.95	29.987	77.5	69.	.609	(D. 61.5)	79.4	E.	1	..	7	N., Cu., Cu-s., Ci-s., Ci.
	16 25	27.	764.90	29.981	78.5	69.2	.605	(A. 77.2)	77.3	E. by S.	1	..	5	Cu., N., Ci-s.
	18 25	25.4	764.75	29.983	73.9	67.	.582	.....	80.9	E.	..	..	4	Ci-s., Ci-cu.
	20 25	24.4	765.55	30.019	70.3	66.2	.596	.....	84.9	E.	..	..	4	Dark Cu.
	22 25	23.	765.60	30.028	67.5	65.5	.606	.....	92.2	E.	..	..	..	Clear, Exc. some Ci-s. in *N.* and *W.*

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
29	0 25	20.3	765.35	30.031	65.5	64.5	.596	.....	92.7	E.	..	..	8	Thick heavy clouds.
	2 25	20.3	764.75	30.007	64.7	63.7	.580	.....	93.	E.	..	..	3	N., Cu-s.
	4 25	20.3	765.00	30.016	65.3	64.6	.601	.....	92.3	ENE.	..	..	..	Thick fog.
	6 25	21.1	765.75	30.043	67.5	66.2	.627	9 A. M.:	90.9	ENE.	..	..	..	No clouds, slight mist.
	8 25	23.	766.20	30.052	71.5	68.7	.665	(D. 61.5)	88.5	E.	..	..	8	Ci-cu., Cu.
	10 25	25.	766.50	30.054	75.6	71.	.700	(A. 74.2)	85.5	S. by E.	..	..	5	Ci-s., Cu.
	12 25	26.	766.20	30.037	76.5	69.5	.636	3 P. M.:	81.	E.	..	..	7	Cu. from *S.*
	14 25	27	765.75	30.014	78.7	70.	.630	(D. 61.5)	77.2	SE.	..	..	8	Cu. from *S.*
	16 25	26.	765.60	30.013	77.2	70.7	.672	(A. 77.2)	79.5	SE.	1	..	8	Cu-s.
	18 25	24.5	765.70	30.025	74.1	67.5	.597	9 P. M.:	81.2	S.	..	..	8	N.
	20 25	25.5	766.30	30.038	71.5	67.9	.639	(D. 63.)	86.9	SE.	..	..	8	N.
	22 25	25.2	766.30	30.045	70.7	68.5	.668	.....	91.2	SE.	1	..	8	N.
31	0 25	24.3	762.40	29.895	71.	69.7	.706	3 A. M.:	92.2	S. by W.	..	..	2	N., Ci-cu.
	2 25	23.9	761.65	29.868	71.8	69.5	.690	(D. 57.5)	88.4	SW.	..	..	7	N.
	4 25	24.3	761.30	29.853	72.5	71.	.734	.....	89.1	WSW.	..	..	8	N.
	6 25	24.5	761.55	29.862	74.4	71.7	.738	9 A. M.:	88.9	WSW.	..	..	8	N.
	8 25	24.8	761.75	29.869	75.4	72.9	.770	(D. 67.5)	90.2	SW.	..	..	8	Cu., N.
	10 25	26.6	761.90	29.865	79.2	73.8	.763	(A. 76.)	85.1	W. by S.	..	..	7	N., Cu. Ci-s., Ci.
	12 25	28.	761.75	29.853	81.3	73.2	.717	3 P. M.:	80.2	SW.	..	..	7	N., Cu., Ci., Ci-cu., Ci-s.
	14 25	28.2	761.00	29.823	81.5	73.	.707	(D. 64.5)	79.4	W.	..	..	7	N., Cu., Ci., Ci cu., Ci-s.
	16 25	28.7	761.05	29.821	82.4	69.4	.569	(A. 82.)	74.1	WNW.	1	..	2	Ci-cu. from *SW.*
	18 25	26.	761.70	29.860	72.7	67.	.596	9 P. M.:	81.	NW.	..	..	½	Cu., Ci s.
	20 25	23.5	762.35	29.898	68.1	61.	.462	(D. 48.5)	78.	NW. by N.	..	..	..	Clear.
	22 25	24.6	761.60	29.864	63.7	58.3	.434	.....	78.5	NW. by N.	..	..	..	Clear.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
1	0 25	24.1	763.05	29.921	63.1	58.	.432	3 A. M.:	80.9	NNW.	..	..	..	Clear.
	2 25	19.9	762.65	29.926	62.4	57.3	.421	(D. 54.)	81.9	NNW.	..	..	8	Overcast.
	4 25	19.8	763.20	29.947	58.2	55.7	.425	.....	89.	NNW.	..	..	7	N., Cu.
	6 25	19.7	764.20	29.989	59.	57.	.451	9 A. M.:	90.2	WNW.	..	..	4	Ci., Ci-s., Cu.
	8 25	21.3	764.80	30.005	68.8	58.8	.391	(D. 50.5)	74.5	NW.	1	..	6	Ci-s., Ci , Ci cu.
	10 25	22.3	764.70	29.996	71.2	60.2	.404	(A. 68.5)	71.5	NW.	1	..	6	Cu., Ci-cu., Ci., S.
	12 25	23.2	764.10	29.967	72.9	60.1	.382	3 P. M :	69.5	WNW.	1	..	6	Cu., Ci-cu., Ci-s., Ci.
	14 25	24.3	763.20	29.926	74.7	62.	.417	(D. 49.5)	67.5	WNW.	1	..	6	Cu., Ci-cu., Ci-s., Ci.
	16 25	24.3	763.55	29.940	73.	61.4	.418	(A. 72.2)	68.6	NW.	1	..	8	Ci., Ci-s., N., Cu.
	18 25	23.4	763.20	29.931	67.	60.	.445	9 P. M.:	77.9	NW.	..	..	7	Ci., Ci-s., Ci-cu.
	20 25	23.4	763.20	29.931	60.7	58.	.459	(D. 52.)	89.2	NW.	..	..	2	Light N.
	22 25	....	.....	.....	57.8	57.2	.469	.....	91.5	NW.	..	..	2	Light N.
2	0 25	21.5	762.20	29.901	57.3	56.7	.462	3 A. M.:	93.3	NW.	..	..	8	Slightly overcast.
	2 25	20.5	761.20	29.866	57.7	56.6	.455	(D. 56.2)	91.2	NW.	..	..	3	N.
	4 25	20.7	760.80	29.851	57.8	56.9	.462	.....	92.3	NW.	..	..	3	Ci-cu., Cu., N.
	6 25	19.8	760.55	29.846	59.9	58.5	.482	9 A. M.:	92.2	S.	..	..	7	Ci., Ci-s, Cu.
	8 25	21.	759.75	29.807	68.7	65.5	.593	(D. 61.)	87.4	S. by W.	1	..	6	Ci-s., Ci., Ci-cu.
	10 25	23.1	759.20	29.775	74.2	66.2	.553	(A. 71.5)	77.4	SSW.	3	..	6	Cu., Ci-cu., Ci., Ci-s.
	12 25	25.3	758.50	29.738	76.9	66.5	.533	3 P. M.:	73.7	SW.	1	..	4	Cu., Ci., Ci-s.
	14 25	26.3	757.85	29.708	78.	67.9	.567	(D. 54.5)	70.5	SSW.	1	..	5	Cu., Ci-cu., Ci-s.
	16 25	27.6	758.00	29.707	80.5	67.1	.513	(A. 78.3)	71.5	SSW.	1	..	½	Cu., Ci., Ci-cu., Ci-s.
	18 25	25.7	757.60	29.701	73.3	66.5	.573	9 P. M.:	79.	SW.	..	..	6	N., Ci. from *W.*
	20 25	25.2	758.55	29.741	68.	66.8	.642	(D. 57.)	91.2	NNW.	1	..	8	N. from *W.*, raining.
	22 25	25.	758.75	29.749	66.5	65.	.601	.....	93.	NW.	..	.10	8	N., ceased raining.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
3	0	25	23.7	759.35	29.778	65.3	61.5	.508	3 A. M.:	85.8	NNW.	..	..	8	Heavily overcast.
	2	25	23.4	759.75	29.796	65.1	60.4	.478	(D. 58.5)	83.	NW.	..	..	8	Heavily overcast.
	4	25	22.2	760.25	29.821	63.5	58.5	.442	.....	81.8	NNW.	..	..	8	Heavily overcast.
	6	25	21.5	761.15	29.860	62.4	57.5	.425	9 A. M.:	81.9	NW.by N.	..	..	8	Cu., Ci., Ci-cu., Cu s., S.
	8	25	19.	761.45	29.884	62.8	57.7	.428	(D. 49.)	83.5	NNW.	..	..	7	N., Cu., Ci., Cu-s., Ci-s.
	10	25	20.3	762.15	29.905	65.2	56.5	.368	(A. 68.)	70.5	N. by W.	..	..	8	N., Cu., S.
	12	25	21.6	762.75	29.922	68.4	58.2	.379	3 P. M.:	71.9	NNW.	..	..	8	N., Cu., Ci., S.
	14	25	20.7	762.35	29.911	66.6	56.5	.352	(D. 45.)	70.5	WNW.	2	..	8	N., Cu., S.
	16	25	20.7	762.00	29.897	67.	57.7	.381	(A. 68.)	71.	WNW.	..	..	8	Cu., N., Ci., Ci s.
	18	25	20.8	762.50	29.916	64.9	59.9	.465	9 P. M.:	79.9	WNW.	..	..	6	Dark Ci-cu., Ci-s.
	20	25	20.3	763.60	29.961	60.2	58.4	.476	(D. 52.)	91.5	WNW.	..	..	6	Dark Cu., Ci., Ci-s.
	22	25	20.2	764.15	29.984	57.2	55.	.418	.....	91.	WNW.	..	..	2	Ci-cu., Ci-s.
4	0	25	19.8	764.45	29.998	55.	53.3	.399	3 A. M.:	90.2	NNW.	..	..	..	Clear.
	2	25	18.8	764.20	29.993	53.2	51.5	.374	(D. 51.2)	90.9	NNW.	..	..	..	Clear.
	4	25	17.6	764.30	30.003	53.2	49.9	.335	.....	85.8	N. by W.	..	..	1	Cu., Cu-s.
	6	25	17.1	765.35	30.045	52.5	49.4	.331	9 A. M.:	86.1	N.	..	..	5	Ci., Ci-s., Cu.
	8	25	17.	765.45	30.051	60.	54.	.361	(D. 48.)	81.1	NE.	1	..	6	Ci-cu., Ci-s., N., S.
	10	25	18.4	765.90	30.062	63.2	56.2	.383	.....	78.4	NE.	1	..	7	N., Ci-cu., Cu., Ci-s.
	12	25	18.6	765.85	30.059	*63.6	56.4	.383	3 P. M.:	77.9	NE.	1	..	8	N., Ci-cu., Ci., Cu., Ci-s.
	14	25	19.5	765.40	30.037	64.6	57.4	.399	(D. 48.5)	77.4	NNE.	1	..	7	N., Ci-cu., Ci., Cu., Ci-s.
	16	25	19.5	765.00	30.021	64.6	57.6	.405	(A. 64.)	78.3	NNE.	1	..	8	N., Cu.
	18	25	18.	764.90	30.025	61.5	56.4	.407	9 P. M.:	81.1	NE. by E.	..	..	8	N., Ci-s., Cu., Ci-cu.
	20	25	19.	764.60	30.007	59.1	55.6	.412	(D. 50.)	86.5	NE. by E.	..	..	8	N., raining slightly.
	22	25	19.	764.25	29.993	57.1	54.7	.411	.....	90.5	NE. by E.	..	..	8	N., raining fast.

* Recorded 73.6.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
5	0	25	18.7	764.10	29.990	56.6	54.8	.419	3 A. M.:	90.4	NE.	1	.10	8	N., raining.
	2	25	17.8	763.35	29.964	56.5	55.5	.439	(D. 52.)	92.4	N.	1	..	8	N., raining.
	4	25	17.7	762.90	29.947	58.3	57.	.458	.....	91.9	NNE.	1	..	8	N., raining.
	6	25	17.4	762.40	29.929	59.1	57.5	.463	9 A. M.:	89.2	NE.	1	..	8	N., raining, clouds moving from *NE.*
	8	25	17.8	761.95	29.910	61.1	58.2	.461	(D. 54.)	88.1	ENE.	..	..	8	N. passing to *SW.*
	10	25	18.3	762.15	29.914	57.2	57.1	.474	.....	88.5	NNE.	1	.14	8	N. passing to *SW.*, raining.
	12	25	18.6	762.00	29.906	59.2	58.6	.492	3 P. M.:	88.4	NNE.	1	.11	8	N. passing to *SW.*, raining.
	14	25	18.9	761.50	29.886	58.9	58.5	.494	(D. 48.5)	87.9	NNE.	..	.10	8	N. passing to *SW.*, raining.
	16	25	17.1	761.25	29.884	58.7	57.5	.468	(A. 58.7)	91.	N. by E.	..	.03	8	N. passing to *SW.*, raining.
	18	25	18.	761.95	29.909	57.3	56.5	.456	9 P. M.:	92.8	NE.	..	.02	8	N., Ci-s. from *NE.*, raining.
	20	25	17.8	762.10	29.915	58.	56.1	.438	(D. 51.5)	90.	N. by E.	..	..	8	N., ceased raining.
	22	25	17.5	762.20	29.920	57.2	56.	.445	.....	88.8	N. by E.	..	..	7	Cu., N.
7	0	25	18.	767.00	30.107	55.4	53.7	.404	3 A. M.:	89.1	WNW.	..	..	..	Clear.
	2	25	18.2	767.30	30.117	53.5	52.3	.391	(D. 50.)	91.1	NNW.	..	..	..	Clear.
	4	25	17.8	767.75	30.138	55.5	53.	.386	.....	87.9	NNW.	..	..	..	Clear.
	6	25	17.4	768.60	30.174	55.	53.3	.399	9 A. M.:	90.1	NNW.	..	..	..	Clear.
	8	25	18.3	769.00	30.184	63.6	58.5	.441	(D. 53.)	82.3	N. by E.	..	..	..	Clear.
	10	25	20.2	769.20	30.183	67.4	61.4	.481	(A. 63.7)	80.	E.	..	..	1	Ci-s. in *NW.* and in Hor. *N.* and *W.*
	12	25	22.4	768.60	30.148	71.6	61.6	.440	3 P. M :	71.4	SSW.	..	..	2	Ci-s., Cu., Ci.
	14	25	....	.....	.....	....	....	....	(D. 53.3)	....	WSW.	..	..	..	
	16	25	24.9	767.75	30.102	75.1	64.2	.479	(A. 73.)	68.5	SW.	..	..	1	Fleecy clouds.
	18	25	23.5	767.50	30.100	69.6	62.6	.492	9 P. M.:	77.2	SW. by S.	..	..	5	Fleecy clouds and Ci-s.
	20	25	23.2	767.65	30.107	62.8	60.	.492	(D. 54.)	89.5	SW. by S.	..	..	7	Fleecy clouds and Ci-s.
	22	25	22.5	767.80	30.117	62.2	59.3	.479	.....	88.2	SW. by S.	..	..	1	Clear, fleecy clouds in *S.* and *SW.*

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
8	0	25	21.3	767.10	30.095	59.8	58.2	.475	3 A. M.:	91.9	SW. by S.	..	..	2	A few light Ci-s.
	2	25	19.2	765.95	30.060	58.8	54.7	.392	(D. 55.5)	94.7	SW. by S.	..	..	..	Clear.
	4	25	18.5	765.80	30.058	57.	56.1	.440	.....	93.8	SW. by S.	..	..	3	N., S.
	6	25	18.4	766.70	30.094	59.5	58.2	.479	9 A. M.:	91.9	SW. by S.	..	..	8	Cu., Ci-cu.
	8	25	19.5	766.50	30.081	65.4	62.7	.542	(D. 60.)	87.3	SW. by S.	..	..	6	Ci., Ci-cu., Cu s. from *SW.*
	10	25	21.2	766.40	30.069	68.3	63.2	.525	(A. 67.3)	84.	SW. by S.	1	..	7	Ci-cu., Cu-s. from *SW.*
	12	25	23.	765.30	30.016	71.9	64.6	.527	3 P. M.:	77.5	SSW.	1	..	1	Ci-cu., Cu. from *SW.*
	14	25	24.7	764.35	29.971	74.	64.6	.504	(D. 59.5)	72.	SW. by S.	2	..	3	Ci., Cu. from *WSW.*
	16	25	25.	763.95	29.953	75.	64.5	.490	(A. 77.5)	72.2	SW. by S.	1	..	8	Ci-cu., Cu.
	18	25	22.	763.75	29.960	68.4	63.5	.533	9 P. M.:	83.9	SSW.	1	..	6	Ci-s., Ci-cu.
	20	25	21.3	763.10	29.937	63.5	61.5	.528	(D. 56.)	90.5	S. by W.	..	..	7	Ci-s., Ci cu.
	22	25	21.3	763.25	29.943	61.6	60.1	.508	.....	86.	S. by W.	..	..	6	S., Ci-s.
9	0	25	20.3	762.65	29.925	61.5	60.	.506	3 A. M.:	90.6	S. by W.	..	..	7	Ci-s.
	2	25	20.9	761.65	29.883	63.9	62.8	.562	(D. 60.)	91.7	S. by W.	..	..	7	Ci., Ci-s., Cu.
	4	25	20.6	761.75	29.888	64.5	63.3	.571	.....	92.1	S. by W.	..	..	8	Heavily overcast.
	6	25	20.4	762.00	29.897	66.5	64.5	.585	9 A. M :	90.	S. by W.	..	..	8	Heavily overcast with fog.
	8	25	21.	762.15	29.901	68:	66.	.616	(D. 64.)	90.	SW.	..	..	8	N. from *SW.*
	10	25	22.1	762.00	29.890	70.3	66.4	.603	(A. 69.5)	87.	SW. by W.	1	..	8	Cu., Cu-s., N.
	12	25	23.	761.20	29.857	72.4	68.	.632	3 P. M.:	86.	WSW.	..	..	6	Ci., Ci-cu., Cu-s. from *WSW.*
	14	25	25.5	760.50	29.815	76.5	69.7	.645	(D. 66.)	79.5	SSW.	1	..	5	Cu., Ci., Ci-cu , S. from *W.*
	16	25	24.8	760.20	29.808	74.8	67.8	.600	(A. 75.)	80.7	SW.	1	..	8	N. from *SW.*, raining.
	18	25	23.6	760.35	29.819	71.3	68.5	.661	9 P. M.:	93.1	SW. by S.	..	.08	8	N. from *SW.*, raining.
	20	25	23.4	759.95	29.804	68.3	67.3	.655	(D. 65.)	93.4	S. by W.	..	.10	8	N., ceased raining.
	22	25	23.3	759.85	29.800	68.1	66.7	.638	.....	93.1	S. by W.	..	..	8	N.

Date. Day.	Hour.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Therm'rs, Fah. Dry.	Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Force, lbs.	Rain, inches.	Sky covered, 8ths.	Clouds, &c.
	h. m.													
10	0 25	22.7	759.00	29.769	67.1	66.2	.632	3 A. M.;	93.4	S. by W.	..	..	7	Cu., N., Ci-cu.
	2 25	22.3	758.05	29.734	66.4	65.7	.624	(D. 61.3)	92.7	W. by S.	..	..	8	Apparently light N.
	4 25	22.	758.00	29.734	67.4	66.7	.645	.....	92.	W. by S.	..	..	8	Overcast lightly.
	6 25	21.9	758.15	29.741	67.6	66.5	.636	9 A. M.:	90.8	W. by S.	..	..	8	Overcast.
	8 25	22.1	758.25	29.743	68.3	66.7	.635	(D. 63.5)	90.	W. by S.	..	..	..	[middle from *W.*
	10 25	23.5	758.25	29.737	72.3	68.	.634	(A. 71.)	85.	W.	..	..	6	Cu., Ci., Ci cu.; 2 Str., lower from *N.*,
	12 25	24.5	757.40	29.699	75.5	65.7	.524	3 P. M.:	71.5	NW.	1	..	3	Cu., Ci-cu., Cu-s.
	14 25	23.6	756.40	29.663	72.2	63.6	.494	(D. 57.5)	73.	W. by N.	1	..	8	Cu., N. from *W.*
	16 25	22.5	756.60	29.676	69.4	61.9	.474	(A. 73.)	78.2	WSW.	1	..	8	N. from *SW.*, raining lightly.
	18 25	20.8	756.90	29.696	65.7	62.4	.531	9 P. M.:	85.1	SW.	..	.07	8	N. from *SW.*, raining lightly.
	20 25	21.5	757.30	29.710	*63.6	61.1	.515	(D. 48.)	88.5	NNW.	..	.03	8	N., ceased raining.
	22 25	20.8	757.95	29.738	59.7	56.6	.433	.....	87.1	W.	..	..	5	Ci-cu., Ci., Cu., from *NW.*
11	0 25	18.9	757.10	29.713	56.5	53.5	.388	3 A. M.:	86.2	W.	..	..	1	Cu., Ci-cu., S., Cu-s.
	2 25	18.7	†757.15	29.717	56.	52.	.356	(D. 45.)	83.2	NW.	..	..	..	Clear.
	4 25	17.9	757.40	29.731	54.	49.7	.323	.....	81.5	NW.	..	..	..	Clear.
	6 25	17.5	757.05	29.718	54.	49.5	.318	9 A. M.:	81.7	NW.	1	..	..	Clear.
	8 25	17.5	758.85	29.789	58.	52.5	.346	(D. 46.)	78.5	NW.	2	..	..	Clear.
	10 25	18.3	759.05	29.792	60.7	53.8	.348	(A. 59.)	75.5	NW.	2	..	2	Cu. from *NW.*
	12 25	19.5	759.15	29.791	64.	55.2	.347	3 P. M.:	71.5	NW.	2	..	8	Cu., N. from *NW.*
	14 25	19.5	759.15	29.791	63.	54.8	.348	(D. 46.5)	73.	WNW.	2	..	8	Cu., Ci-cu. from *NW.*
	16 25	19.2	759.95	29.824	60.6	54.	.354	(A. 62.5)	77.5	NW.	2	..	8	N. from *NW.*
	18 25	18.9	760.80	29.859	57.6	54.	.388	9 P. M.:	85.7	WNW.	1	..	8	N. from *NW.*, raining.
	20 25	18.3	762.55	29.930	57.1	51.6	.332	(D. 43.)	81.5	NW.	1	..	..	N., Cu., Ci-cu.
	22 25	17.6	763.10	29.955	54.6	48.8	.293	.....	79.	NW.	1	..	1	A few Ci., Ci-cu., Cu.

* Recorded 68.6.

† Recorded 753.15.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
12	0 25	16.3	763.55	29.979	51.5	47.	.287	3 A. M.:	81.3	NW.	1	..	1	Cu., S., Ci.
	2 25	15.5	763.85	29.994	50.	45.8	.276	(D. 41.)	81.2	NW.	1	..	1	S., Ci s.
	4 25	14.3	764.40	30.022	48.3	44.7	.271	.....	83.2	NW.	1	..	1	S., Ci-s.
	6 25	13.8	*766.00	30.088	47.2	44.5	.279	9 A. M.:	86.1	NW. by N.	..	..	1	Cu.
	8 25	14.6	766.85	30.118	53.8	47.5	.272	(D. 39.5)	77.	N. by W.	2	..	..	Clear, a few Cu. in *W.*, S. in *E.*
	10 25	15.4	767.15	30.126	56.8	49.	.273	(A. 58.)	72.	N.	2	..	2	Cu., Ci-cu. from *NNE.*
	12 25	16.3	767.30	30.127	60.	50.	.260	3 P. M.:	67.	N. by W.	2	..	1	Cu., Ci-cu. from *N.*
	14 25	18.	766.85	30.102	63.3	51.2	.252	(D. 40.5)	62.5	NNW.	2	..	..	Clear, a few detached Cu. near Hor.
	16 25	19.4	767.10	30.104	64.5	51.3	.241	(A. 65.)	61.2	NNW.	1	..	..	Clear.
	18 25	19.3	768.25	30.151	56.5	48.5	.265	9 P. M.:	87.7	NNW.	..	..	..	Clear.
	20 25	17.8	769.25	30.197	52.1	45.	.234	(D. 31.)	72.5	N.	..	..	..	Clear.
	22 25	16.8	769.50	30.211	48.5	42.5	.220	.....	70.2	N.	..	..	..	Clear.
14	0 25	15.3	769.20	30.206	52.8	49.6	.332	3 A. M.:	86.1	NNW.	..	..	..	Clear.
	2 25	16.3	768.95	30.192	50.5	47.7	.313	(D. 44.)	88.2	NNW.	..	..	..	Clear.
	4 25	15.7	769.15	30.202	49.2	46.3	.296	.....	87.8	NNW.	..	..	..	Clear.
	6 25	15.6	769.65	30.222	48.4	45.5	.287	9 A. M.:	87.7	NNW.	..	..	..	Clear.
	8 25	16.3	769.80	30.226	56.8	50.	.296	(D. 41.5)	77.	NNW.	..	..	..	Clear.
	10 25	17.2	769.25	30.199	63.6	52.	.269	(A. 61.5)	66.5	NNW.	1	..	..	Clear.
	12 25	18.7	768.15	30.148	66.2	54.8	.310	.....	67.	NNW.	1	..	..	Clear, a few small detached Cu. near Hor.
	14 25	20.5	767.10	30.098	69.3	57.	.334	.....	66.	NW.	1	..	3	Ci-cu., Cu. from *N.*
	16 25	22.6	766.50	30.066	71.2	57.4	.325	.....	64.	NW.	..	..	1	Scattered Cu.
	18 25	21.5	766.00	30.052	60.4	54.8	.376	9 P. M.:	76.5	NNW.	..	..	..	A few Cu. in *N.*
	20 25	20.7	766.15	30.061	53.7	51.7	.374	(D. 44.)	90.	NNW.	..	..	..	A few Cu. near *E.* Hor.
	22 25	19.3	765.40	30.037	50.8	50.1	.367	.....	92.9	W. by N.	..	..	..	Clear.

* Recorded 756.00.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
15	0 25	18.7	764.85	30.020	48.5	48.1	.346	3 A. M.:	91.8	WSW.	..	..	1	Ci., Ci-s.
	2 25	16.1	764.45	30.016	51.5	50.	.356	(D. 49.)	92.3	WSW.	..	..	..	Clear.
	4 25	15.1	763.40	29.979	51.	49.8	.358	.....	92.7	WSW.	..	..	1	Ci., Ci-s.
	6 25	14.8	763.65	29.991	51.2	*49.9	.358	9 A. M.:	92.1	WSW.	..	..	..	Clear.
	8 25	17.	763.80	29.986	64.3	58.6	.435	(D. 51.5)	80.	WSW.	..	..	..	Clear.
	10 25	18.5	763.70	29.975	70.5	61.	.435	(A. 67.)	74.	WNW.	1	..	..	Clear, hazy in Hor.
	12 25	23.5	763.80	29.955	73.8	62.6	.446	3 P. M.:	70.	WNW.	1	..	..	Clear, Exc. few detached Cu.
	14 25	24.5	763.20	29.926	77.	62.8	.416	(D. 49.5)	66.	WNW.	1	..	2	Cu., Ci cu. from *W.*
	16 25	26.	763.35	29.923	77.5	62.5	.401	(A. 76.)	64.1	W.	..	..	½	Cu. from *NE.*
	18 25	24.4	763.40	29.934	66.8	60.8	.470	9 P. M.:	77.5	W.	..	..	..	Some Cu. in *NE.*
	20 25	22.1	763.95	29.966	59.	57.7	.471	(D. 52.5)	90.5	W.	..	..	..	Clear.
	22 25	20.6	763.90	29.974	56.5	55.7	.444	.....	91.3	W.	..	..	..	Clear.
16	0 25	20.7	764.00	29.976	57.	55.8	.442	3 A. M.:	94.7	WNW.	..	..	..	Clear.
	2 25	20.	763.85	29.973	55.	54.1	.419	(D. 52.2)	94.1	WNW.	..	..	1	Ci-s.
	4 25	19.3	764.15	29.988	54.7	53.9	.417	.....	94.	WNW.	..	..	3	Ci., Ci-s.
	6 25	16.8	764.55	30.017	53.6	52.8	.402	9 A. M.:	93.3	WNW.	..	..	7	Ci-cu.
	8 25	19.	765.30	30.035	62.5	59.	.467	(D. 53.5)	85.	NNE.	..	..	½	Ci-cu., S.
	10 25	20.5	765.50	30.035	68.2	62.3	.499	(A. 67.)	78.5	ENE.	..	..	2	Mottled Ci-cu., S.
	12 25	22.5	765.30	30.018	75.	64.2	.480	3 P. M.:	67.	SSW.	..	..	5	Ci., Cu.
	14 25	24.7	764.60	29.981	75.1	65.	.504	(D. 58.)	67.5	SW.	1	..	5	Cu. from *SE.*
	16 25	26.5	764.60	29.971	77.5	66.4	.523	(A. 76.)	67.	SW.	1	..	3	Cu., Ci-cu.
	18 25	24.5	764.85	29.992	68.5	59.9	.425	9 P. M.:	70.	E.	..	..	..	Cu. in *N.* and *NE.*
	20 25	23.9	765.50	30.019	61.5	57.9	.448	(D. 52.)	85.4	S.	..	..	..	Clear.
	22 25	22.8	765.25	30.015	56.5	54.7	.418	.....	85.2	S.	..	..	..	Clear.

* Recorded 41.9.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
17	0 25	21.3	765.00	30.012	54.5	53.4	.407	3 A. M.:	93.9	S.	..	..	..	Clear.
	2 25	20.	764.70	30.007	53.2	52.5	.398	(D. 53.)	93.1	S.	..	..	..	Foggy.
	4 25	19.5	764.50	30.002	52.5	52.3	.402	.....	92.7	SE.	..	..	..	Very foggy.
	6 25	18.9	764.75	30.014	51.6	51.2	.385	9 A. M.:	93.9	SE.	..	..	..	Very foggy.
	8 25	19.	764.65	30.010	62.	60.3	.509	(D. 54.5)	90.	SE.	..	..	..	S. in *W.*, fog clearing.
	10 25	21.	764.25	29.984	68.5	61.6	.475	(A. 67.)	77.	SSW.	1	..	2	Cu., S., and light Ci.
	12 25	23.4	763.20	29.931	73.2	62.8	.458	3 P. M.:	66.5	S.	2	..	7	Cu. in Hor., light Ci. overhead
	14 25	24.3	761.90	29.877	74.7	64.7	.500	(D. 57.)	70.	S. by E.	2	..	4	Cu., Ci., Ci-s. from *NW.*
	16 25	24.	761.25	29.852	73.3	64.7	.516	(A. 74.5)	74.	S. by E.	2	..	..	Cu., Ci-cu.
	18 25	21.1	760.80	29.849	66.2	61.2	.488	9 P. M.:	83.9	S. by E.	2	..	8	Cu., Ci-cu., light N. from *SW.*
	20 25	21.	760.60	29.842	64.8	60.9	.496	(D. 55.)	87.	S. by E.	1	..	5	N. in *N.* and *SW.*
	22 25	21.8	760.45	29.832	64.8	60.2	.475	.....	84.7	S. by W.	1	..	8	Overcast.
18	0 25	21.4	759.35	29.790	65.6	62.3	.529	3 A. M.:	88.3	S.	1	..	8	Heavily overcast.
	2 25	20.6	758.65	29.766	64.9	63.	.557	(D. 58.)	93.2	S.	1	..	8	Heavily overcast, raining.
	4 25	20.7	758.35	29.754	65.1	63.5	.570	.....	92..	S.	1	.02	8	Heavily overcast, raining.
	6 25	20.5	758.85	29.774	64.5	63.7	.582	9 A. M.:	92.3	S.	1	.08	8	Heavily overcast, raining.
	8 25	20.	759.00	29.782	65.1	63.8	.579	(D. 58.5)	92.	S.	1	.15	8	Heavily overcast, raining.
	10 25	19.5	759.35	29.799	57.7	57.	.465	(A. 65.)	93.	NNW.	1	.33	8	Heavily overcast, raining.
	12 25	19.2	759.25	29.796	56.1	55.5	.443	3 P. M.:	91.	NNW.	..	.20	8	Heavily overcast, raining.
	14 25	19.4	758.80	29.778	55.9	54.9	.430	(D. 52.5)	91.	NNW.	..	.07	8	Heavily overcast, ceased raining.
	16 25	18.6	758.55	29.772	55.9	54.3	.414	(A. 59.5)	90.9	NW by N.	..	..	8	Heavily overcast.
	18 25	18.5	758.30	29.762	55.3	53.6	.403	9 P. M.:	93.	NNE.	..	.18	8	Heavily overcast, rain at intervals.
	20 25	18.	758.95	29.791	54.5	54.	.422	(D. 49.5)	93.9	N. by W.	..	.10	8	Heavily overcast, rain at intervals.
	22 25	17.6	758.90	29.791	54.5	53.9	.419	.....	93.4	NW.	..	..	7	Heavily overcast, *W.* Hor. clear.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
19	0 25	17.3	758.65	29.782	55.	52.7	.384	3 A. M.:	92.3	NW.	..	..	8	Overcast, N.
	2 25	16.7	*758.05	29.761	50.1	49.9	.370	(D. 48.7)	93.	NW.	..	..	1	Clear, a little Cu-s.
	4 25	16.1	758.00	29.762	48.5	48.	.343	.....	92.7	NW.	..	..	..	Clear.
	6 25	15.5	758.50	29.784	47.8	46.5	.317	9 A. M.:	90.2	NW.	..	..	..	Clear.
	8 25	16.	759.10	29.805	54.3	50.	.325	(D. 42.5)	81.	WNW.	1	..	..	Clear.
	10 25	16.6	758.85	29.781	†58.5	51.1	.305	(A. 56.5)	73.5	WNW.	1	..	2	Cu., Ci-cu. from *N. W*
	12 25	17.8	758.30	29.766	61.4	52.7	.312	3 P. M.:	70.	WNW.	1	..	5	Cu , Ci-cu. from *WNW.*
	14 25	19.4	757.85	29.741	63.5	54.5	.334	(D. 44.5)	69.5	WNW.	1	..	6	Cu., Cu-s., Ci., Ci-cu. from *WNW.*
	16 25	19.	757.80	29.741	63.2	54.3	.333	(A. 63.)	70.	WNW.	1	..	3	Cu., N., Ci-s. from *W.*
	18 25	18.5	757.90	29.748	53.5	51.	.358	9 P. M.:	85.1	W.	..	..	..	N., Ci-s.
	20 25	18.3	758.40	29.767	49.5	48.5	.344	(D. 45.)	91.2	W.	..	..	..	Clear.
	22 25	17.5	757.90	29.752	48.7	47.3	.322	.....	89.	W.	..	..	1	Clear, Exc. Ci-s. in *N.* and *W.*
21	0 25	18.2	753.70	29.584	57.9	53.2	.363	3 A. M.:	83.4	NW.	..	..	..	Light N. scattered over sky.
	2 25	17.6	754.60	29.632	53.7	50.	.332	(D. 45.)	85.	NW.	..	..	..	Clear.
	4 25	16.7	755.65	29.669	52.2	47.3	.285	.....	81.3	NW.	..	..	..	Clear.
	6 25	15.5	757.25	29.735	49.4	44.8	.261	9 A. M.:	82.7	NNW.	..	..	..	Clear.
	8 25	15.2	759.00	29.805	50.7	43.7	.223	(D. 34.)	75.	NW.	2	..	..	A few Cu. near Hor.
	10 25	15.6	759.65	29.829	53.5	45.	.219	(A. 53.)	72.5	NW.	3	..	1	Cu. around Hor.
	12 25	15.8	760.00	29.842	55.	46.5	.236	3 P. M.:	71.	NW.	2	..	2	Cu., Ci-cu.
	14 25	16.2	760.55	29.863	57.2	47.7	.239	(D. 49.7)	68.5	NW.	2	..	3	Cu., Ci-cu., Cu-s.
	16 25	18.9	761.85	29.900	56.4	46.	.209	(A. 55.5)	67.6	NW.	2	..	1	Cu., Ci-cu., Cu-s. from *NW.*
	18 25	18.1	763.10	29.953	48.6	43.1	.232	9 P. M.:	75.1	NNW.	..	..	..	Few thin Ci-s. near Hor.
	20 25	16.4	765.00	30.036	45.5	40.7	.217	(D. 28.5)	78.3	N.	..	..	..	Dark Cu. in *N.*, faint aurora.
	22 25	15.2	766.24	30.091	40.3	37.1	.203	.....	78.5	N.	..	..	..	Clear, aurora disappeared.

* Recorded 768.05. † Recorded 68.5.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
22	0 25	13.9	766.85	30.122	39.6	37.2	.213	3 A. M.:	85.9	N.	..	..	..	Clear.
	2 25	13.	767.45	30.149	37.9	36.5	.218	(D. 31.5)	92.1	N.	..	..	..	Clear.
	4 25	12.1	768.30	30.187	34.7	33.9	.204	.....	95.1	N. by W.	..	..	..	Clear.
	6 25	12.1	769.90	30.250	34.4	33.5	.200	.....	93.3	N. by W.	..	..	1	S., Ci.
	8 25	12.	770.30	30.265	44.	37.8	.174	.....	71.5	NNW.	..	..	..	Clear, Exc. little S. in *S.*
	10 25	12.	770.40	30.269	48.3	41.3	.197	.....	69.5	NNW.	1	..	..	Clear, Exc. little S. in *S.*
	12 25	13.	768.85	30.205	52.2	44.	.211	.....	67.	WNW.	1	..	..	Clear, Exc. little S. in *S.*
	14 25	14.5	769.25	30.212	55.7	46.3	.222	.....	64.	NW.	1	..	..	Clear, Exc. little S. in *S.*
	16 25	17.5	769.35	30.201	58.3	47.5	.220	.....	62.5	NW.	..	..	..	Clear.
	18 25	16.4	769.25	30.203	46.3	43.1	.258	9 P. M.:	79.1	NW.	..	..	..	S., Cu., Cu-s. around Hor.
	20 25	15.9	769.45	30.213	42.1	41.3	.268	(D. 34.)	90.9	NW.	..	..	..	Clear.
	22 25	15.5	769.35	30.211	38.5	38.5	.251	.....	93.8	WNW.	..	..	..	Clear.
23	0 25	13.2	769.00	30.208	42.	41.	.263	3 A. M.:	90.6	WNW.	..	..	..	Clear.
	2 25	13.1	768.70	30.197	41.5	40.	.248	(D. 40.7)	89.8	WNW.	..	..	..	Clear.
	4 25	12.	768.50	30.195	38.9	38.4	.244	.....	94.8	WNW.	..	..	..	Clear.
	6 25	11.8	768.95	30.214	39.	38.5	.245	9 A. M.:	94.3	WNW.	..	..	¼	Thin S. around Hor. *S.*
	8 25	12.5	769.00	30.212	51.5	47.5	.298	(D. 39.3)	81.	WNW.	..	..	..	Thin S. around Hor. *S.*
	10 25	14.	768.40	30.182	62.	51.6	.277	(A. 58.)	67.	WNW.	..	..	..	Hazy, no clouds.
	12 25	16.2	767.75	30.145	64.	54.5	.328	3 P. M.:	67.	W.	1	..	..	Clear.
	14 25	18.	767.00	30.107	69.	55.	.284	(D. 43.5)	61.5	W.	..	..	..	Clear.
	16 25	20.	767.20	30.104	69.	56.4	.322	(A. 68.)	61.5	W.	1	..	..	Clear.
	18 25	20.	767.25	30.106	57.7	52.3	.343	9 P. M.:	74.1	W.	..	..	..	Clear.
	20 25	19.6	768.00	30.139	53.5	49.9	.331	(D. 43.)	84.	W.	..	..	..	Clear.
	22 25	19.4	768.05	30.141	47.5	46.9	.329	.....	93.	W.	..	..	..	Clear.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
24	0	25	18.5	768.50	30.164	52.	48.7	.320	3 A. M.:	86.2	NNW.	..	..	..	Clear.
	2	25	17.8	768.60	30.171	51.	48.3	.322	(D. 38.)	88.9	NNW.	..	..	..	Clear.
	4	25	16.8	769.05	30.193	48.5	47.	.320	.....	92 8	NNW.	..	..	..	Clear.
	6	25	16.2	770.25	30.242	48.1	46.7	.317	.....	92.9	NNW.	..	..	..	Clear.
	8	25	17.5	771.00	30.265	57.7	54.6	.402	.....	82.	NE.	1	..	..	No clouds, hazy.
	10	25	18.	771.50	30.283	63.	57.	.405	.....	79.5	ENE.	1	..	..	No clouds, hazy.
	12	25	19.5	771.10	30.260	65.5	58.	.404	3 P. M.:	76.	ENE.	..	..	..	A very few detached Cu. in Hor.
	14	25	21.8	770.60	30.229	69.	60.	.421	(D. 50.)	72.	E.	..	..	..	Clear, Exc. detached Cu.
	16	25	22 8	770.80	30.233	70.	59.8	.405	(A. 69.)	72.	NE. by E.	..	..	¼	Detached Cu., Ci-cu. in Hor.
	18	25	19.7	770.60	30.240	60.	55.2	.391	9 P. M.:	80.	ESE.	1	..	..	Very hazy.
	20	25	20.5	771.40	30.266	54.8	52.5	.381	(D. 47.)	87.1	SE. by S.	..	..	..	Clear.
	22	25	19.5	771.35	30 270	49.5	48.9	.353	.....	94.8	SE. by S.	..	..	..	Clear.
25	0	25	16.3	771.10	30.275	49.1	48.5	.348	3 A. M.:	93.4	SE. by S.	..	..	..	Clear.
	2	25	17.2	770.90	30.263	47.6	47.	.330	(D. 45.4)	94.1	SE. by S.	..	..	..	Clear.
	4	25	16.5	770.95	30.270	46.5	46.	.320	.....	93.7	ESE.	..	..	..	Clear.
	6	25	15.3	771.20	30.285	44.7	44.4	.305	9 A. M.:	93 5	ESE.	..	..	1	Cu., Ci-cu.
	8	25	16.4	771.60	30.295	55.	53.6	.406	(D. 53.5)	87.	ENE.	..	..	..	Very hazy, no clouds.
	10	25	17.5	771.40	30 281	61.8	56.8	.413	(A. 62.)	81.	E.	..	..	1	Very hazy, Cu., Ci-cu.
	12	25	20.2	770.80	30.246	67.7	61.	.466	3 P. M.:	76.5	SE.	..	..	5	Ci-cu., Cu. from *W.*
	14	25	21.6	769.75	30.197	67.	59.8	.439	(D. 51.5)	74.	SE.	..	..	3	Ci-cu., Cu., hazy.
	16	25	21.4	769.40	30.185	68.	59.5	.419	(A. 69.)	73.5	ESE.	1	..	3	Ci-cu., Cu. from *W.*, hazy.
	18	25	17.2	769.20	30.196	58.9	54.2	.378	9 P. M.	83.5	SE.	1	..	3	Cu., Cu-s., S. from *SW.*
	20	25	20.	770.15	30.220	54.	51.5	.365	(D. 43.)	89.	SSE.	..	..	..	Clear.
	22	25	19.2	770.50	30.238	51.1	49.5	.349	.....	90.	SSE.	..	..	..	Clear.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
26	0 25	17.4	769.45	30.206	47.6	47.2	.335	3 A. M.:	93.4	S. by E.	..	..	..	Clear.
	2 25	16.4	768.80	30.186	46.6	46.4	.328	(D. 39.5)	93 2	S. by E.	..	..	..	Clear.
	4 25	15.8	768.65	30.182	44.	43.6	.296	.....	93.9	S. by E.	..	..	..	Sky very dark.
	6 25	15.	768.90	30.196	42.9	42.7	.288	9 A. M.:	92.9	SSE.	..	..	..	A little misty.
	8 25	15.7	769.00	30.196	53.2	52.2	.391	(D. 50.5)	91.	ESE.	..	..	..	A little misty.
	10 25	16.8	768.65	30.178	58.7	55.2	.406	(A. 62.)	82.	ESE.	..	..	..	Very hazy, no clouds.
	12 25	18.3	767.65	30.130	63.8	56.8	.391	3 P. M.:	75.	SW.	..	..	¼	Ci-cu., Cu. still hazy.
	14 25	20.7	767.00	30.094	68.5	57.9	.368	(D. 48.)	70.2	SW. by S.	..	..	¼	Ci-cu. in *NW.* and *W.*, still hazy.
	16 25	21.7	766.35	30.064	69.8	58.9	.381	(A. 69.)	69.9	SW.	..	..	¼	Cu., Ci-cu. in Hor.
	18 25	19.7	766.30	30.072	58.2	55.	.406	9 P. M.:	86.7	SSW.	..	..	..	Hazy, Cu. in *E.*
	20 25	18.1	766.30	30.080	53.9	52.9	.401	(D. 46.5)	90.	S.	..	..	..	Clear.
	22 25	16.4	766.10	30.080	50.2	50.2	.376	.....	91.2	S.	..	..	..	Clear.
28	0 25	16.3	763.80	29.989	49.5	48.5	.344	3 A. M.:	92.9	NW.	..	..	..	Clear.
	2 25	15.4	764.00	30.002	47.5	46.5	.320	(D. 41.)	91.8	NW.	..	..	..	Clear.
	4 25	14.7	764.60	30.029	47.8	46.	.306	.....	89.9	NW.	..	..	..	Clear.
	6 25	13.9	765.30	30.060	47.5	45.6	.300	9 A. M.:	88.3	NW.	..	..	..	Very lightly overcast.
	8 25	13.6	766.25	30.099	53.	49.4	.326	(D. 46.)	85.	NW.	1	..	1	Ci., Ci-s.
	10 25	15.	766.35	30.098	58.	50.5	.295	(A. 58.)	75.	N.	1	..	2	Cu., Cu-s. in *NW.*, Ci. from *N.*
	12 25	16.4	766.20	30.084	60.	51.4	.295	3 P. M.:	69.	NNW.	1	..	3	Cu., Cu-s., Ci-cu.
	14 25	18.2	765.65	30.052	63.3	52.7	.289	(D. 43.)	66.7	NNW.	1	..	½	Ci s. along *W.* Hor.
	16 25	18.6	765.95	30.063	63.	53.	.301	(A. 61.5)	66 5	N.	..	..	1	S.
	18 25	18.3	766.80	30.098	53.3	49.	.313	9 P. M.:	81.6	N.	..	..	1	Ci s., S., Cu., hazy.
	20 25	17.5	766.95	30.108	49.6	47.5	.318	(D. 42.5)	86.	N.	..	..	..	Slightly hazy, no clouds.
	22 25	17.	767.00	30.112	47.6	45.7	.301	.....	86.	N.	..	..	..	Clear.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
29	0	25	16.3	767.20	30.123	48.5	46.	.298	3 A. M.:	87.8	N.	..	..	..	Clear.
	2	25	15.7	767.15	30.123	46.	44.5	.292	(D. 43.5)	91.8	N.	..	..	..	Clear.
	4	25	14.7	767.20	30.131	44.8	43.5	.284	.....	93.7	N.	..	..	..	Clear.
	6	25	14.7	768.20	30.170	45.5	43.9	.285	9 A. M.:	91.8	N.	..	..	7	Very slightly overcast.
	8	25	15.6	768.65	30.183	53.	49.7	.333	(D. 44.5)	87.	N.	..	..	..	Clear.
	10	25	17.	768.30	30.163	59.5	53.	.341	(A. 58.5)	75.5	WNW.	..	..	..	Very light Ci.
	12	25	18.8	767.60	30.127	65.	55.5	.343	3 P. M.:	70.5	W.	..	..	..	Ci.
	14	25	19.8	766.80	30.091	65.5	58.	.404	(D. 50.5)	74.	S. by W.	..	..	8	Ci-s.
	16	25	20.3	766.75	30.086	65.5	57.9	.402	(A. 68.)	75.	S. by W.	..	..	8	Ci., Ci-cu.
	18	25	18.7	766.75	30.095	57.9	53.2	.363	9 P. M.:	82.9	S. by W.	..	..	..	Hazy, Ci-cu.
	20	25	18.9	766.35	30.077	54.2	51.3	.357	(D. 48.)	91.1	S. by W.	..	..	..	Clear.
	22	25	17.6	766.25	30.080	50.	48.6	.340	.....	92.5	S by W.	..	..	..	Clear.
30	0	25	15.6	765.70	30.062	50.5	50.	.367	3 A. M.:	94.3	S. by W.	..	..	..	Clear.
	2	25	16.4	765.35	30.050	48.9	48.1	.341	(D. 49.7)	94.	S. by W.	..	..	..	Very dense fog.
	4	25	16.5	765.30	30.048	47.7	47.5	.341	.....	93.2	S. by W.	..	..	..	Very dark, sky not visible.
	6	25	16.5	765.20	30.044	48.8	48.5	.352	9 A. M.:	92.7	S. by W.	..	..	8	Thick fog, Cu., Ci-cu., Ci.
	8	25	17.	765.10	30.037	58.3	55.8	.427	(D. 51.5)	88.	S. by W.	1	..	8	S., Ci-s., Ci-cu. from *W.*
	10	25	18.2	765.00	30.026	63.	58.8	.456	(A. 62.)	84.	S. by W.	..	..	8	Ci., Ci-cu., Ci-s., Cu-s.
	12	25	20.7	764.20	29.984	65.7	61.	.488	3 P. M.:	80.	S. by W.	..	..	8	Ci., Ci-s., Cu-s., *N?*
	14	25	21.	763.40	29.950	67.	61.7	.495	(D. 58.)	81.	S. by W.	1	..	8	Ci., S., Ci-s., Cu-s.
	16	25	21.3	763.30	29.945	68.2	62.5	.504	(A. 69.5)	80.5	S. by W.	..	..	8	Ci., S., with Ci-cu.
	18	25	20.6	763.45	29.954	65.6	61.7	.510	9 P. M.:	84.	S. by W.	..	..	8	N., Ci., Ci cu.
	20	25	20.	763.30	29.951	64.5	61.9	.528	(D. 58.3)	90.	S. by W.	..	..	8	N., raining slightly.
	22	25	19.5	763.80	29.974	63.9	61.5	.523	.....	91.5	S. by W.	..	.05	8	N., raining slightly.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
1	0 25	20 6	763.65	29:962	60.9	60.	.513	3 A. M.:	92.9	S.	..	..	7	Dense N.
	2 25	20.5	763.50	29.957	60.	59.2	.500	(D. 61.2)	92 5	S.	..	..	1	N.
	4 25	20.1	763.95	29.977	59.5	59.	.500	.....	93.	S.	..	..	1	N.
	6 25	19.9	764.25	29.990	59.6	59.4	.511	9 A. M.:	92.9	S. by W.	..	..	7	Cu., Ci-cu., N., Ci.
	8 25	20.	764.75	30.009	65.5	63.	.550	(D. 63.)	90.5	S. by W.	..	..	7	Ci., Ci-cu., Ci-s., Cu s.
	10 25	21.	765.60	30.038	67.5	64.	.558	(A. 67.5)	90 5	SW.	..	..	8	N., raining.
	12 25	22.1	765.20	30.016	70.	66.4	.606	3 P. M.:	87.	S. by W.	..	..	8	Ci-cu., N.
	14 25	23.	764.80	29.997	71.9	67.4	.618	(D. 63.)	84.5	S. by W.	..	..	7	Cu., Ci., Ci cu.
	16 25	24.7	765 60	30.019	74.3	69.	.645	(A. 75.5)	85.1	S.	..	..	7	Cu., Ci. from *W.*
	18 25	23.2	766.00	30.042	68.5	66.5	.626	9 P. M.:	87.	ESE.	..	..	1	Cu., Ci-s., Ci-cu., N.
	20 25	22.5	766 85	30.080	65.5	63.9	.577	(D. 61.)	91.	ENE.	1	..	8	Overcast.
	22 25	21.7	767.50	30.109	63.1	62.5	.561	.....	90.	ENE.	1	..	8	Overcast.
2	0 25	21.1	766.85	30.087	61.5	61.2	.541	3 A. M.:	94.	ENE.	..	..	8	N.
	2 25	21.3	766.70	30.080	61.5	61.	.535	(D. 61.)	91.	ENE.	..	..	8	N., raining gently.
	4 25	20.9	766.90	30.090	61.	60.7	.533	.....	92.3	ENE.	..	..	8	N., raining gently.
	6 25	20.7	767.15	30.100	61.1	60.8	.534	9 A. M.:	93.6	ENE.	1	..	8	Thick fog.
	8 25	20.	767.35	30.111	64.6	62.	.530	(D. 60.)	90.	E. by N.	..	..	8	Thick fog.
	10 25	20.5	767.25	30.105	64.5	63.8	.585	(A. 64.5)	92.	E.	..	..	8	N., raining.
	12 25	20.3	766.65	30.082	65.6	64.4	.592	3 P. M :	91.5	E.	..	.15	8	N., raining.
	14 25	20.5	766.00	30.056	66.6	64.2	.574	(D. 61.5)	89.5	E.	..	..	8	N.
	16 25	20.7	765.50	30.030	66.	65.	.606	(A. 74.)	91.9	E.	..	..	8	N.
	18 25	20.2	764.90	30.014	66.5	65.8	.626	9 P. M.:	94.	ESE.	..	..	8	N., raining gently.
	20 25	20 7	764.35	29.989	66.4	66.	.634	(D. 63.)	94.1	ESE.	..	..	8	N.
	22 25	21.2	763.70	29.961	66.8	66.2	.635	.....	94.8	SE. by S.	..	..	8	N.

Date. Day.	Hour.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Therm'rs, Fah. Dry.	Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Force, lbs.	Rain, inches.	Sky covered, 8ths.	Clouds, &c.
	h. m.													
3	0 25	21.	762.85	29.929	65.8	65.	.608	3 A. M.:	94.2	S.	..	..	3	N.
	2 25	21.	762.00	29.895	65.8	65.	.608	(D. 62.2)	93.2	S. by W.	1	..	..	Clear.
	4 25	21.1	761.60	29.880	65.9	64.5	.591	.....	92.1	S. by W.	1	..	7	Dense N.
	6 25	21.	761.30	29.869	65.1	63.6	.571	9 A. M.:	93.1	S. by W.	1	..	8	Ci., Ci-cu., Cu., N.
	8 25	21.7	761.00	29.853	69.5	65.5	.584	(D. 62.)	86.5	SSW.	4	..	8	N., Cu., Cu-s. from *SW.*
	10 25	21.5	761.00	29.855	67.	66.	.627	(A. 69.5)	93.	SW. by S.	1	.25	8	N., raining hard.
	12 25	20.6	762.70	29.925	56.1	55.2	.435	3 P. M.:	91.	NW.	1	.18	8	N., raining.
	14 25	19.6	762.85	29.937	57.	50.8	.315	(D. 43.5)	77.	NW.	..	..	8	N. in *E.*, Cu., Cu-s. in *NW.*
	16 25	16.9	763.25	29.964	59.1	50.9	.293	(A. 59.)	71.5	NW.	..	..	6	N. in *S.*, Cu., Ci-cu., S.
	18 25	18.2	764.55	30.011	53.5	47.	.265	9 P. M.:	73.9	NW.	..	..	6	N., Ci., Cu., Ci cu., S.
	20 25	17.6	766.00	30.070	52.	43.6	.206	(D. 27.)	69.	NW.	..	..	7	Ci., Cu., Ci-cu.
	22 25	16.5	767.00	30.115	49.6	41.4	.186	.....	66.1	NW.	..	..	..	Few Ci., clear.
5	0 25	15.1	766.60	30.106	47.5	44.5	.275	3 A. M.:	84.4	?	..	..	..	Clear all day.
	2 25	14.7	766.25	30.094	45.5	43.8	.285	(D. 40.)	89.2	.....	..	..	..	
	4 25	13.8	766.15	30.094	42.	41.4	.271	.....	94.2	.....	..	..	..	
	6 25	13.2	766.60	30.115	41.2	40.7	.265	9 A. M.:	93.5	.....	..	..	..	
	8 25	13.7	766.70	30.117	51.	49.5	.350	(D. 45.5)	89.6	.....	..	..	..	
	10 25	14.8	766.40	30.100	57.6	51.6	.326	(A. 56.)	75.5	SW.	1	..	..	
	12 25	16.2	765.25	30.047	62.	53.8	.332	3 P. M.:	68.5	WSW.	1	..	..	
	14 25	17.5	764.60	30.015	68.	56.5	.335	(D. 48.)	65.	SW.	..	..	..	
	16 25	19.6	764.25	29.991	66.4	57.5	.380	(A. 66.)	71.8	SW.	..	..	..	
	18 25	18.2	764.20	29.997	61.	55.	.374	9 P. M.:	78.5	SW.	..	..	..	
	20 25	18.5	764.70	30.014	54.5	51.9	.369	(D. 48.)	88.4	SW.	..	..	..	
	22 25	17.5	764.35	30.005	52.4	51.1	.373	.....	87.9	SW.	..	..	..	

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
6	0 25	17.	764.15	30.000	50.2	45.5?	.267	3 A. M.:	92.8	SW.	..	..	..	Clear.
	2 25	16.6	763.65	29.981	47.5	47.	.331	(D. 45.7)	94.	SW.	..	..	..	Clear.
	4 25	15.7	763.30	29.972	45.2	44.9	.310	.....	94.1	SW.	..	..	..	Clear.
	6 25	14.8	763.60	29.989	44.4	43.9	.297	9 A. M.:	94.	SW.	..	..	..	Thick fog.
	8 25	15.5	764.50	30.020	53.5	52.5	.396	(D. 51.5)	92.	SW.	..	..	..	Hazy, no clouds.
	10 25	16.	764.25	30.008	60.	56.6	.429	(A. 58.)	85.	SW.	..	..	..	Hazy, no clouds.
	12 25	18.	763.40	29.965	65.5	60.	.461	3 P. M.:	77.5	SW.	..	..	..	Hazy, no clouds.
	14 25	20.	763.85	29.973	68.5	61.	.457	(D. 56.)	70.	SW.	1	..	..	Clear.
	16 25	22.4	763.15	29.933	71.5	62.5	.467	(A. 68.5)	69.4	SW.	..	..	.	Clear.
	18 25	21.5	763.40	29.949	66.	58.5	.414	9 P. M.:	73.6	SW.	..	..	..	Cu. in *NW.*
	20 25	20.6	764.00	29.976	60.	57.	.439	(D. 48.5)	88.9	SW.	..	..	½	Ci-cu., Cu., Ci s. in *S.*
	22 25	19.5	764.10	29.986	58.	56.	.436	.....	90.2	SW.	..	..	½	Ci-cu., Ci s.
7	0 25	15.5	764.25	30.010	54.9	54.	.418	3 A. M.:	92.9	WSW.	..	..	½	S.
	2 25	18.6	763.95	29.985	53.	52.1	.391	(D. 47.)	92.8	WNW.	..	..	..	Clear.
	4 25	17.8	764.90	30.026	53.	51.	.364	.....	88.7	NNW.	..	..	..	Clear.
	6 25	17.	765.75	30.063	52.	50.	.351	9 A. M.:	90.	N.	..	..	½	Ci., S.
	8 25	17.8	767.10	30.112	62.	56.	.391	(D. 50.)	77.5	NE. by N.	..	..	..	Hazy, no clouds.
	10 25	19.	767.75	30.132	65.5	57.	.378	(A. 62.)	75.	E. by N.	..	..	..	Hazy.
	12 25	21.	767.20	30.100	68.	59.8	.428	3 P. M.:	71.	E.	..	..	..	Hazy.
	14 25	22.4	766.65	30.072	70.5	60.8	.428	(D. 53.5)	69.	E.	..	..	..	Clear.
	16 25	23.	766.65	30.070	70.5	59.4	.389	(A. 74.)	67.	SE.	..	..	..	Clear.
	18 25	20.8	766.90	30.090	61.9	55.4	.375	9 P. M.:	72.	SE.	..	..	..	Small Cu-s., cloud in *W.*
	20 25	20.5	767.55	30.116	57.1	51.5	.330	(D. 44.)	77.9	SE.	..	..	..	Clear.
	22 25	19.4	767.55	30.122	54.2	50.3	.333	.....	79.9	ESE.	..	..	..	Clear.

6th, 0*h.*, wet bulb should probably be 49.5; which gives force of vapor =.359.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
8	0 25	18.8	767.60	30.128	52.5	51.	.369	3 A. M.:	92.	ESE.	..	..	3	Ci., Ci-s.
	2 25	17.7	767.65	30.135	53.7	53.	.406	(D. 49.5)	92.7	E.	..	..	8	Ci., Ci-s.
	4 25	18.	768.50	30.167	55.9	54.4	.417	.....	90.8	E.	..	..	8	N.
	6 25	17.8	768.80	30.180	56.	54.3	.413	9 A. M.:	83.8	E. by N.	..	..	8	N.
	8 25	17.6	769.30	30.200	59.8	55.4	.398	(D. 52.)	82.	E. by N.	..	..	7	Ci-cu., Cu-s.
	10 25	18.5	769.00	30.183	62.	56.7	.409	(A. 61.5)	80.	E. by N.	..	..	1	Ci., Ci-cu., Ci-s.
	12 25	19.7	768.50	30.159	65.3	58.8	.430	3 P. M.:	77.	E.	..	..	½	S. in *SE*.
	14 25	21.8	768.00	30.128	69.	61.5	.465	(D. 52.5)	74.	E. by N.	..	..	..	Hazy, some S. and Cu.
	16 25	22.1	767.80	30.119	69.	61.	.451	(A. 69.5)	74.1	E. by N.	..	..	½	Ci., Ci-s., Cu.
	18 25	19.5	767.80	30.132	59.3	55.8	.419	9 P. M.:	84.2	ENE.	..	..	½	Ci., Ci-s., Cu.
	20 25	20.7	768.35	30.148	57.1	55.6	.434	(D. 52.)	90.1	SE. by S.	..	..	½	Ci., Ci-s., Cu.
	22 25	18.9	768.25	30.152	52.	52.	.400	.....	88.7	SSE.	..	..	..	Clear.
9	0 25	18.5	767.75	30.134	52.	52.	.400	3 A. M.:	93.	S. by E.	..	..	..	Very hazy.
	2 25	17.9	767.45	30.126	53.5	53.5	.421	(D. 51.7)	93.8	ENE.	..	..	..	Very hazy.
	4 25	18.8	767.75	30.133	65.1	55.	.441	.....	93.2	NNW.	..	..	..	Thick fog.
	6 25	19.6	767.90	30.135	55.4	55.1	.441	9 A. M.:	93.	NW. by N.	..	..	..	Thick fog.
	8 25	17.8	768.25	30.158	57.	56.2	.452	(D. 54.5)	93.	NW. by N.	..	..	..	Thick fog.
	10 25	19.	768.25	30.152	63.7	61.	.511	(A. 58.)	85.	NW.	..	..	1	Ci., Ci-cu., Ci-s. from *W.*
	12 25	21.3	767.45	30.109	68.8	64.	.543	3 P. M.:	81.	SSW.	..	..	3	Ci-cu., Cu-s., S. from *W.*
	14 25	22.8	767.10	30.088	70.5	63.5	.509	(D. 60.)	77.5	SSW.	..	..	6	Ditto, with Ci.
	16 25	20.2	767.00	30.096	71.4	64.5	.529	(A. 72.)	77.5	SSW.	..	..	8	Ditto, with Ci.
	18 25	16.4	767.60	30.139	69.8	62.7	.492	9 P. M.:	78.1	ENE.	..	..	8	N., Ci-cu., Cu. from *E.*
	20 25	16.3	768.65	30.181	62.6	60.	.494	(D. 54.5)	79.3	ENE.	..	..	8	Ditto, with Ci. and S.
	22 25	16.3	768.75	30.185	61.5	58.5	.464	.....	79.5	NE.	..	..	8	Ditto, with Ci. and S.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
10	0 25	20.7	769.00	30.173	58.	56.7	.454	3 A. M.:	92.5	NE.	..	..	8	Cu., N., gentle rain.
	2 25	20.4	769.20	30.183	55.	54.	.417	(D. 54.)	92.	NE.	1	.05	8	N., Cu., rain.
	4 25	19.9	769.60	30.201	52.4	51.4	.381	.....	91.8	NE. by E.	..	.01	8	N.
	6 25	20.1	770.20	30.223	51.2	49.7	.353	9 A. M.:	87.5	NE. by E.	1	..	7	N., Ci-cu.
	8 25	20.	771.00	30.256	52.	50.	.350	(D. 49.)	88.	NE. by E.	..	..	8	N., Ci-cu. from *E.*
	10 25	17.	770.30	30.242	57.5	51.8	.333	(A. 52.5)	82.	ENE.	1	.02	8	N., Cu., Ci-cu., rain.
	12 25	16.4	769.30	30.206	55.5	51.3	.343	3 P. M.:	84.5	ENE.	..	..	8	N., Cu., Ci-cu., rain.
	14 25	17.5	768.80	30.181	53.3	50.	.336	(D. 48.5)	84.	ENE.	..	..	8	N., Cu-s., Ci-cu. from *E.*
	16 25	17.9	768.40	30.163	51.5	49.5	.344	(A. 57.)	90.	NE. by E.	..	..	8	N., Ci-cu.
	18 25	17.8	767.75	30.138	51.	49.5	.350	9 P. M.:	93.1	NE. by E.	..	..	8	N.
	20 25	17.2	767.10	30.114	51.5	50.5	.369	(D. 47.)	93.9	ENE.	..	.03	8	N., Ci-s., Ci-cu.
	22 25	17.2	766.50	30.091	51.5	50.6	.371	.....	93.	E. by N.	..	.01	8	N., Ci-s., Ci-cu., raining.
12	0 25	20.7	752.80	29.538	62.	60.	.501	3 A. M.:	92.9	W.	..	..	1	Ci., Cu. from *W*
	2 25	19.7	751.95	29.609	59.7	58.7	.490	(D. 58.5)	92.9	W.	..	..	1	Ci., Ci-cu. from *NW.*
	4 25	19.9	752.35	29.523	61.4	59.	.480	.....	91.1	NNW.	..	..	4	Cu., Ci., Ci-cu. from *NW.*
	6 25	20.7	753.00	29.545	62.8	57.5	.423	9 A. M.:	81.3	NNW.	..	..	7	Cu , N., Ci., Ci-cu.
	8 25	20.7	753.60	29.569	65.	57.8	.407	(D. 46.5)	76.5	NNW.	1	..	5	Cu., Ci-cu., Cu-s. from *W.*
	10 25	20.7	753.50	29.565	65.5	56.3	.361	(A. 65.)	71.	NNW.	2	..	3	Cu., Ci-cu. from *W.*
	12 25	21.	753.65	29.570	67.	56.	.337	3 P. M.:	68.	WNW.	2	..	7	Cu., Ci cu. from *W.*
	14 25	21.	754.00	29.584	65.6	53.4	.285	(D. 40.)	66.	NW.	3	..	3	Cu., Ci-cu. from *WNW.*
	16 25	18.	755.30	29.647	62.2	50.5	.250	(A. 63.)	63.8	NNW.	2	..	4	Cu., Ci-cu. from *NW.*
	18 25	19.7	757.50	29.726	56.7	48.7	.268	9 P. M.:	71.7	N.	1	..	8	N., Cu., Ci-cu. from *NNW.*
	20 25	18.8	759.00	29.789	50.8	45.2	.254	(D. 36.)	77.	N. by E.	..	..	..	Light Ci-s. in *S.* Hor.
	22 25	17.2	759.75	29.825	47.5	43.4	.252	.....	78.7	N. by E.	..	..	..	Ci-s. in *W.* Hor.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
13	0	25	16.3	760.40	29.856	42.8	41.3	.260	3 A. M.:	89.7	N. by E.	..	..	6	Ci-cu., Cu., Ci. from *NW.*
	2	25	16.6	760.65	29.864	41.5	40.	.247	(D. 37.)	91.7	N. by E.	..	..	..	Clear.
	4	25	15.2	761.95	29.922	40.4	39.2	.244	.....	93.2	N. by E.	..	..	2	Cu., Ci., Ci-s.
	6	25	15.5	762.55	29.943	39.2	38.	.233	9 A. M.:	92.8	N. by E.	..	..	..	Clear.
	8	25	13.5	763.00	29.970	48.	42.	.215	(D. 32.5)	75.	N. by E.	..	..	..	Clear.
	10	25	14.7	762.60	29.950	50.8	43.8	.223	(A. 49.)	72.	NNW.	..	..	..	Clear.
	12	25	15.6	761.80	29.914	55.2	48.2	.273	3 P. M.:	71.	W.	..	..	..	Clear, Exc. some Ci-s. in *S.*
	14	25	17.	761.55	29.898	59.5	51.5	.303	(D. 40.)	70.	S.	1	..	..	A little Ci-s. in *SW.*
	16	25	18.3	761.55	29.891	60.	51.2	.290	(A. 59.5)	69.8	SW.	..	..	..	A little Ci-s. in *SW.*
	18	25	18.5	761.90	29.904	52.7	48.5	.308	9 P. M.:	83.	SW.	..	..	..	Ci-s. around Hor.
	20	25	18.2	762.30	29.922	49.	46.4	.301	(D. 41.)	87.3	SW.	..	..	..	Ci-s. in *E.*
	22	25	17.	761.55	29.898	46.5	44.6	.289	.....	89.4	SW.	..	..	1	Ci-s.
14	0	25	15.2	760.95	29.883	45.	43.9	.291	3 A. M.:	93.1	SW.	..	..	..	Clear.
	2	25	15.6	760.80	29.875	44.9	43.6	.286	(D. 40.)	92.4	SW.	..	..	..	Clear.
	4	25	14.9	761.00	29.885	44.4	43.9	.297	.....	95.2	SW.	..	..	..	Clear.
	6	25	15.4	761.10	29.888	41.5	41.	.268	9 A. M.:	91.9	SW.	..	..	..	Dense fog.
	8	25	14.9	761.25	29.897	49.5	48.8	.350	(D. 45.5)	92.	SW.	..	..	½	Ci-s. in *S*, fog clearing.
	10	25	15.3	761.10	29.884	58.	53.5	.371	(A. 52.)	81.	SW.	..	..	½	Ci-s. in *S.*
	12	25	17.3	759.90	29.831	65.3	57.8	.402	3 P. M.:	74.	WSW.	..	..	½	Ci-s. in *S.*, and hazy.
	14	25	19.5	759.55	29.807	68.8	57.5	.354	(D. 53.)	69.	SW.	1	..	1	Ci-s. in *S.*, and hazy.
	16	25	20.8	759.45	29.896	67.8	58.8	.402	(A. 66.)	71.8	SW.	..	..	2	Ci-cu., S., Ci-s.
	18	25	19.9	759.80	29.814	62.	56.	.391	9 P. M.:	78.1	SW.	..	..	..	Cu., Ci-cu., Cu-s.
	20	25	19.5	760.25	29.835	57.	54.6	.410	(D. 49.)	90.4	SW.	..	..	3	Cu., Ci-cu., Ci-s.
	22	25	16.4	760.40	29.856	55.6	53.5	.398	.....	91.	SW.	..	..	6	Ci-s., Cu., Ci., Ci-cu.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
15	0	25	18.8	760.35	29.841	55.8	53.3	.390	3 A. M.:	90.1	SW.	..	..	6	Ci-cu., Cu., Ci. from *SW.*
	2	25	18.1	761.25	29.881	53.5	49.6	.324	(D. 48.)	86.	SW.	..	..	6	Ci., Ci-s from *W.*
	4	25	17.5	762.05	29.914	51.5	46.8	.382	.....	82.	NNW.	..	..	8	Dense Cu., Ci-cu.
	6	25	16.6	763.15	29.961	50.5	44.5	.242	9 A. M.:	77.	NNW.	..	..	8	Ci-s., Ci-cu.
	8	25	16.	764.00	29.998	50.7	44.3	.235	(D. 34.)	75.5	NE.	..	..	8	Ci cu., Ci-s., Cu-s., N.
	10	25	16.	764.10	30.002	52.2	45.5	.245	(A. 51.5)	74.5	N. by E.	..	..	7	Ci-cu., Cu-s. from *W.*
	12	25	16.3	763.60	29.981	55.3	46.2	.225	.....	69.5	N.	1	..	4	Ci., Ci-s., Cu-s.
	14	25	17.	763.40	29.970	57.	47.3	.230	.....	66.5	N.	1	..	2	Ci., Ci-s. *W.*
	16	25	17.	763.55	29.976	56.2	45.	.187	.....	62.	N. by E.	1	..	½	Ci., Ci-s. in *S.*
	18	25	17.6	765.10	30.034	50.2	41.5	.181	.....	66.	N. by W.	1	..	..	Clear.
	20	25	15.8	766.25	30.088	47.	39.	.165	.....	66.6	N. by W.	..	..	..	S., Cu-s. in *N.*
	22	25	14.	766.60	30.112	43.4	37.	.166	.....	70.	N. by W	..	..	1	Ci-s., Ci.
16	0	25	13.1	766.95	30.130	40.5	35.4	.167	.....	74.	N.	..	..	1	Ci-s. from *W.*
	2	25	12.2	766.85	30.130	37.5	33.7	.169	.....	78.6	N.	..	..	½	S.
	4	25	13.4	767.55	30.151	35.7	32.5	.167	.....	82.1	N.	..	..	..	Clear.
	6	25	11.8	768.15	30.183	34.	31.5	.168	9 A. M.:	84.9	N.	..	..	..	Clear.
	8	25	12.6	768.85	30.208	42.	36.	.162	(D. 28.5)	77.	NE.	..	..	..	Clear.
	10	25	12.2	768.65	30.201	46.5	39.	.170	(A. 44.5)	72.	NE.	1	..	..	Clear.
	12	25	13.	768.40	30.186	48.3	39.5	.160	3 P. M.:	67.	NNE.	..	..	..	Clear.
	14	25	14.	768.25	30.175	50.7	41.	.163	(D. 26.)	65.5	NNE.	1	..	..	Clear.
	16	25	14.5	768.10	30.166	49.9	40.5	.161	(A. 51.)	63.9	NNE.	..	..	..	Clear.
	18	25	14.6	769.00	30.200	43.	38.	.189	.....	76.2	N. by E.	..	..	..	Ci-s., S. in *W.*
	20	25	13.6	769.70	30.234	37.5	34.9	.191	.....	85.	N. by E.	..	..	..	Clear.
	22	25	11.6	770.10	30.258	35.6	33.3	.183	.....	87.	N. by E.	..	..	½	Ci-s., Ci.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
17	0 25	10.9	770.10	30.253	34.7	32.5	.178	3 A. M.:	87.8	NNE.	..	..	7	Ci-s.
	2 25	10.5	770.15	30.266	34.9	32.5	.176	(D. 25.5)	86.3	NNE.	..	..	6	Ci-s.
	4 25	9.9	770 50	30.282	35.	32.5	.175	.....	87.6	E. by N.	..	..	7	Cu., Ci-s., N.
	6 25	9.9	770.50	30.282	35.7	33.2	.180	9 A. M.:	84.3	E.	..	..	4	Cu., Ci., Ci-s.
	8 25	9.3	771.50	30.325	40.7	37.8	.212	(D. 31.)	83.	E.	..	..	8	Ci-cu., Cu s. from *SW.*
	10 25	9.8	771.65	30.330	46.2	42.8	.252	(A. 42.5)	83.	E.	..	..	8	Ci-cu., Cu s.
	12 25	10.2	771.15	30.307	51.	46.	.269	3 P. M.:	78.	E.	..	..	8	Ci-cu., Cu-s.
	14 25	11.4	770.65	30.282	51.4	46.	.254	(D. 36.5)	79.	SE.	1	..	8	Ci-cu., Cu-s., S., N.
	16 25	11.4	770.50	30.276	49.8	45.	.259	(A. 50.7)	79.	ESE.	1	..	8	Ci-cu., Cu-s., S., N.
	18 25	11.6	771.00	30.294	48.7	44.7	.265	9 P. M.:	80.	ESE.	..	..	8	Very dark.
	20 25	12.1	771.00	30.292	48 7	45.5	.284	(D. 40.)	82.2	ESE.	..	..	8	Very dark.
	22 25	11.8	771.00	30.293	48.7	46.1	.297	.....	82.	ESE.	..	..	8	Very dark.
19	0 25	17.2	768.30	30.161	57.5	57.	.467	3 A. M.:	91.9	E.	..	..	8	N. from *E.*, raining.
	2 25	16.2	767.60	30.138	57.5	57.	.467	(D. 47.2)	92.8	E.	..	.02	8	N. from *E.*, raining.
	4 25	16.4	767.00	30.113	60.	60.	.523	.....	93.5	E.	..	..	8	N., foggy.
	6 25	18.3	767.05	30.105	*60.9	†60.5	.528	9 A. M.:	93.3	SSE.	..	..	8	N., foggy.
	8 25	19.	767.10	30.105	63.	62.5	.562	(D. 62.3)	93.	S.	1	..	8	N., foggy.
	10 25	19.	766.70	30.090	65.3	64.3	.592	(A. 63.5)	93.	S. by W.	1	..	8	N., Ci-cu. from *S.*
	12 25	20.	765.70	30.044	68.2	66.4	.626	3 P. M.:	88.	S.	1	..	8	N., Ci-cu. from *SSW.*
	14 25	21.	765.30	30.025	69.7	66.4	.609	(D. 63.)	87.	S.	1	..	8	N., Ci-cu. from *S.*
	16 25	21.3	764.60	29.997	67.5	65.	.589	(A. 69.)	88.4	SSE.	1	..	5	N., Ci-cu., Ci., Ci-s.
	18 25	20.8	764.60	29.999	65.2	63.2	.560	9 P. M.:	90.	SSE.	1	..	6	Cu., Ci-cu., Ci.
	20 25	20.6	764.75	29 996	63.8	62.5	.553	(D. 62.)	90.	S.	1	..	8	Dark, N.
	22 25	20.5	764.20	29.984	64.2	63.	.565	.....	90.5	S.	..	..	8	N., raining.

* Recorded 60.5. † Recorded 60.9.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	*m.*													
20	0	25	20.4	764.10	29.981	63.5	63.	.572	3 A. M.:	93.5	SSW.	..	.25	8	N., raining.
	2	25	20.5	763.60	29.960	63.5	63.	.572	(D. 62.7)	93.5	SSW.	..	.40	8	N., raining.
	4	25	20.4	762.95	29.936	64.5	63.9	.588	.....	93.	SSW.	2	.08	8	N., raining.
	6	25	20.3	763.50	29.919	64.	63.5	.582	9 A. M.:	94.	SSW.	..	.22	8	N., raining.
	8	25	20.6	764.00	29.976	65.5	64.9	.608	(D. 63.4)	93.6	S. by W.	1	.38	8	N., ceased raining.
	10	25	21.	763.65	29.959	65.3	64.7	.604	(A. 66.)	92.3	S. by W.	1	.05	8	N., raining.
	12	25	21.	762.75	29.925	64.	63.5	.582	3 P. M.:	92.	SW. by S.	1	.50	8	N., raining.
	14	25	21.	762.70	29.923	64.5	64.	.591	(D. 63.)	92.	SW. by S.	1	.10	8	N., raining.
	16	25	21.	763.00	29.934	65.3	64.9	.611	(A. 65.5)	92.	SW. by S.	..	.05	8	N., raining.
	18	25	20.4	763.60	29.962	61.6	61.5	.549	9 P. M.:	92.	NW.	..	.12	8	N., raining.
	20	25	20.4	763.60	29.962	61.7	61.5	.548	(D. 60.2)	91.5	NE.	..	.10	8	N., raining.
	22	25	20.1	763.55	29.961	61.3	60.9	.535	.....	92.	NE.	..	..	8	N., raining.
21	0	25	19.9	762.90	29.937	60.6	60.1	.519	3 A. M.:	92.9	E.	..	.06	8	N., raining.
	2	25	19.6	762.25	29 913	59.1	58.7	.497	(D. 61.5)	93.	E. by N.	..	.11	8	N.
	4	25	19.7	761.70	29.891	57.5	57.	.467	.....	92.5	NE.	..	.08	8	N., raining.
	6	25	19.1	761.70	29.893	55.	54.7	.435	9 A. M.:	93.1	NE.	..	.10	8	N.
	8	25	18.5	760.95	29.867	56.	55.3	.439	(D. 55.)	91.	E. by N.	..	.01	8	N., raining.
	10	25	18.	760.30	29.844	56.	55.4	.441	(A. 56.4)	91.	ENE.	..	.01	8	N., drizzling rain.
	12	25	17.9	758.30	29.766	57.	56.6	.463	3 P. M.:	92.	NE.	..	..	8	N., mist.
	14	25	18.	756.50	29.694	58.5	57.8	.478	(D. 57.)	91.5	NE.	..	..	8	N., drizzling rain.
	16	25	18.	755.55	29.657	58.5	58.2	.490	(A. 58.)	91.4	NE.	..	.03	8	N., raining.
	18	25	18.4	754.60	29.620	58.	57.8	.484	.....	94.	NE.	..	.03	8	N., ceased raining.
	20	25	18.5	754.20	29.603	57.5	57.	.467	.....	94.	NW. by N.	..	.03	8	N., raining slightly.
	22	25	18.7	753.00	29.555	57.2	57.	.471	.....	94.1	NW. by N.	..	.13	8	N., raining slightly.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
22	0	25	18.7	752.85	29.550	56.4	56.	.454	.....	92.9	NW.	..	..	8	N.
	2	25	18.4	753.20	29.564	56.6	55.8	.446	.....	92.2	NW.	..	..	8	N.
	4	25	18.	753.90	29.593	57.	53.	.370	.....	83.9	NNW.	4	..	8	N.
	6	25	16.6	756.70	29.710	50.9	45.6	.262	.....	78.	NNW.	4	..	7	Cu. and N.
	8	25	16.	759.25	29.811	51.	44.7	.240	.....	74.	NNW.	3	..	1	Cu., Ci-cu. from *N.*
	10	25	15.	760.25	29.856	51.6	44.	.219	.....	69.	NNW.	3	..	2	Cu., Ci cu. from *N.*
	12	25	14.6	760.45	29.866	53.6	45.2	.223	.....	67.	NNW.	2	..	..	A few scattered Cu.
	14	25	15.	761.40	29.901	54.4	44.3	.194	.....	62.	NNW.	2	..	..	Clear.
	16	25	15.5	762.30	29.933	54.	44.1	.194	.....	61.	NW.	..	..	..	Clear.
	18	25	15.1	763.55	29.985	47.	42.7	.243	.....	72.	NW.	..	..	..	Clear.
	20	25	14.2	763.80	30.000	43.	41.	.251	.....	75.	NW.	..	..	..	Clear.
	22	25	12.4	763.35	29.990	41.5	39.7	.242	.....	77.2	NW.	..	..	..	Clear.
23	0	25	12.9	763.25	29.984	40.3	39.	.240	3 A. M.:	90.9	NW.	..	..	..	Clear.
	2	25	12.1	762.75	29.968	38.5	37.5	.231	(D. 38.2)	93.1	NW.	..	..	..	Clear.
	4	25	11.5	762.75	29.972	38.5	37.7	.235	.....	93.1	NW.	..	..	..	Clear.
	6	25	11.	762.60	29.967	39.5	38.8	.245	9 A. M.:	93.9	NW.	..	..	..	Clear.
	8	25	11.5	762.00	29.942	47.	44.5	.281	(D. 39.5)	84.	SSW.	..	..	..	Clear.
	10	25	12.8	761.20	29.904	56.5	50.5	.313	(A. 51.)	76.	SW.	2	..	..	Clear.
	12	25	14.4	759.45	29.827	62.2	52.4	.295	.....	68.	SSW.	3	..	..	Clear.
	14	25	16.	758.25	29.772	64.	54.5	.329	.....	68.	SW.	1	..	..	Clear.
	16	25	19.8	758.55	29.767	63.	54.	.327	.....	67.5	SW.	1	..	..	Light Ci-s. in Hor., hazy.
	18	25	18.5	758.45	29.768	55.5	51.8	.356	9 P. M.:	67.5	SSW.	..	..	..	Hazy.
	20	25	17.4	758.90	29.791	55.7	50.	.309	(D. 47.2)	69.	SSW.	..	..	..	Clear.
	22	25	16.5	759.50	29.820	51.9	48.3	.312	.....	69.5	SW.	..	..	..	Clear.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
24	0 25	16.1	760.65	29.867	54.4	46.6	.245	3 A. M.:	72.2	WSW.	..	..	2	Ci., Ci-s.
	2 25	14.8	761.80	29.919	50.3	40.7	.164	(D. 33.)	63.4	NW.	..	..	3	Light Ci-s.
	4 25	13.3	763.25	29.981	47.	39.	.165	.....	66.9	NW.byN.	1	..	..	Clear.
	6 25	12.5	764.75	30.146	43.1	35.8	.181	9 A. M.:	66.1	NW.byN.	..	..	..	S., Ci-s.
	8 25	12.6	765.90	30.091	44.8	37.1	.151	(D. 21.2)	66.9	NW.byN.	..	..	..	S., Ci-s.
	10 25	15.4	766.20	30.089	48.2	39.6	.164	(A. 45.3)	65.3	NNW.	1	..	2	Ci-s., Ci-cu., Ci.
	12 25	14.4	765.50	30.065	49.6	40.4	.164	3 P. M.:	64.	NNW.	1	..	3	Ci-s , Ci-cu., Ci.
	14 25	14.6	765.15	30.050	51.5	42.4	.184	(D. 28.5)	63.5	NNW.	..	..	4	Cu., Ci cu., Ci., Ci s., mottled Ci-s.
	16 25	15.1	765.25	30.052	50.	41.7	.187	(A. 50.)	64.5	NW.	..	..	6	Ci-s., Ci-cu., Cu-s.
	18 25	14.9	765.65	30.069	47.2	41.7	.219	9 P. M.:	67.	NW.byN.	..	..	6	Cu-s., Cu., S.
	20 25	13.4	765.45	30.068	44.7	40.8	.228	(D. 32.)	68.8	NW.byN.	..	..	2	Clouds in *SE.* and *E.*
	22 25	13.	765.15	30.058	42.1	37.6	.193	.....	73.	NE. by E.	..	..	..	Light clouds in *SE.* Hor.
26	0 25	6.4	758.65	29.835	30.	26.4	.122	3 A. M.:	74.5	W.	..	..	..	Clear.
	2 25	5.5	758.10	29.817	30.	26.	.116	(D. 20.)	74.	W.	..	..	..	Clear.
	4 25	4.8	758.10	29.821	29.5	25.5	.113	.....	74.1	W.	..	..	..	Clear.
	6 25	4.3	758.50	29.840	28.4	25.3	.122	9 A. M.:	77.	SW.	..	..	..	Foggy.
	8 25	5.1	759.10	29.858	32.5	27.5	.114	(D. 19.4)	72.5	WSW.	1	..	..	Clear.
	10 25	5.3	758.85	29.848	36.7	32.	.146	(A. 35.)	69.	W.	2	..	..	Hazy.
	12 25	5.8	758.65	29.838	39.2	31.8	.114	3 P. M.:	69.	WNW.	4	..	3	Ci., Cu., Ci-cu. *WNW.*
	14 25	8.	759.25	29.850	40.3	33.2	.128	(D. 18.)	68.	WNW.	3	..	7	Ci-cu., Cu. *NW.*
	16 25	7.4	760.30	29.895	39.6	32 9	.131	(A. 40.2)	69.	WNW.	2	..	2	Ci-cu., hazy.
	18 25	6.4	762.45	29.984	37.3	31.5	.131	9 P. M.:	71.5	WNW.	1	..	..	Clear.
	20 25	6.4	764.30	30.057	36.	31.	.135	(D. 25.)	73.5	W.	1	..	..	Clear.
	22 25	6.0	765.60	30.109	34.6	30.3	.139	.....	75.	W.	..	..	..	Clear.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fahr.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
27	0 25	5.9	766.55	30.149	32.9	28.5	.126	3 A.M.:	75.9	W.	..	..	..	Clear.
	2 25	5.4	767.45	30.186	30.7	27.	.125	(D. 19.5)	76.7	W.	..	..	..	Clear.
	4 25	4.9	768 20	30.218	27.7	25.5	.133	.....	83.9	W.	..	..	..	Clear.
	6 25	4.2	769.60	30.277	29.	27.	.144	9 A. M.:	86.7	SW.byW.	..	..	..	Misty.
	8 25	5.	770.50	30.307	35.	29.5	.119	(D. 17.5)	76.5	W.	..	..	..	Clear, very little Ci-s. in *W.*
	10 25	5.8	770.60	30.308	38.1	31.6	.122	(A. 36.5)	69.	W.	..	..	..	Clear.
	12 25	7.	770.10	30.283	41.8	33.3	.112	.....	67.	SW.	..	..	½	Cu., Ci., S., Ci-s.
	14 25	8.4	769.15	30.238	44.4	37.5	.163	.....	67.	S.	..	..	1	Ci., Cu., S., Ci-cu.
	16 25	10.	769.30	30.235	42.8	35.2	.137	.....	66.5	SSW.	..	..	1	Ci., Ci-s.
	18 25	9.	769.45	30.247	37.6	34.5	.183	9 P. M.:	74.	S.	..	..	2	Ci., Ci-cu.
	20 25	8.6	769.50	30.251	36.6	33.3	.171	(D. 26.)	77.5	SSE.	..	..	4	Cu., Ci., Ci-s.
	22 25	8.	769.00	30.234	36.2	33.	.171	.....	79.5	SSE.	..	..	2	Ci., Cu., Ci-cu.
28	0 25	8.1	768.80	30.227	35.1	32.4	.171	3 A. M.:	82.1	SSE.	..	..	1	Cu., Cu-s. around Hor.
	2 25	8.7	768.00	30.192	33.5	31.5	.173	(D. 28.5)	90.	S.	..	..	1	Cu., Ci-cu.
	4 25	7.6	768.25	30.208	33.7	32.4	.187	.....	93.5	S.	..	..	1	Cu., Cu-s. around Hor.
	6 25	7.8	768.00	30.196	32.5	31.5	.185	9 A. M.:	93.2	S.	..	..	6	Ci., Ci-cu., Ci-s., Cu., Cu-s.
	8 25	10.5	768.30	30.195	38.8	37.3	.223	(D. 36.)	91.	S.	..	..	7	Ci., Ci-cu., Ci-s., Cu., Cu-s.
	10 25	9.2	767.35	30.163	48.9	41.5	.195	(A. 45.)	71.	S.	..	..	8	Ci., Ci-cu., Ci-s., Cu., Cu-s.
	12 25	10.1	766.30	30.118	53.	42.9	.177	3 P. M.:	66.5	S.	..	..	1	Ci., S., Ci-s.
	14 25	13.5	765.55	30.071	57.1	46.5	.211	(D. 36.5)	62.5	S.	..	..	1	S., Ci-s. in Hor.
	16 25	13.	765.00	30.052	54.5	45.5	.218	(A. 55.)	65.	S.	..	..	7	Ci-cu., Ci-s., Cu-s., S. *W.*
	18 25	13.	765.60	30.076	51.3	45.3	.250	9 P. M.:	71.	S.	..	..	8	Very dark.
	20 25	13.	765.90	30.088	49.7	46.	.285	(D. 40.7)	83.	S.	..	..	8	Very dark.
	22 25	13.2	765.75	30.081	50.	46.4	.290	.....	84.	S.	..	..	8	Very dark.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
29	0 25	13.3	765.75	30.080	48.8	45.7	.287	3 A. M.:	86.5	S.	..	..	8	N.
	2 25	13.2	765.40	30.067	48.	45.7	.296	(D. 47.)	92.3	S.	..	..	8	N., raining.
	4 25	13.6	764.35	30.024	47.5	46.9	.329	.....	94.9	ESE.	..	.10	8	N., raining.
	6 25	15.3	762.80	29.955	50.	49.5	.361	9 A. M.:	94.	ENE.	..	.10	8	N.
	8 25	13.8	761.30	29.903	52.2	52.	.398	(D. 50.)	93.	ENE.	..	.20	8	N., raining hard.
	10 25	14.5	758.90	29.806	57.2	56.9	.469	(A. 52.5)	92.5	E. by N.	..	.35	8	N. from *S.*, rain.
	12 25	15.	756.25	29.698	59.6	59.4	.511	3 P. M.:	92.5	S. by E.	2	.40	8	Do., raining hard.
	14 25	15.8	754.00	29.606	61.	60.7	.533	(D. 58.7)	93.	SSE.	3	.30	8	Do., raining hard.
	16 25	16.6	752.70	29.551	61.3	60.5	.523	(A. 60.2)	91.5	SSE.	7	.40	8	Do., raining hard.
	18 25	17.	751.40	29.500	63.5	61.6	.531	9 P. M.:	91.5	SSE.	5	.30	8	Do., raining hard.
	20 25	17.7	750.85	29.474	64.	63.3	.576	(D. 60.5)	91.5	S.	3	.20	8	Do., raining hard.
	22 25	18.6	750.05	29.439	64.	63.5	.583	.....	91.5	S.	2	.08	8	Do., raining gently.
30	0 25	18.7	750.15	29.443	63.7	63.2	.577	3 A. M.:	94.1	SW.	..	.05	8	N., raining.
	2 25	19.	750.75	29.465	62.2	61.	.528	(D. 56.9)	92.2	WNW.	..	..	8	N., ceased raining.
	4 25	19.9	751.90	29.505	59.5	58.	.473	.....	90.	WNW.	..	..	8	Heavy N.
	6 25	18.6	752.00	29.516	55.5	53.5	.399	9 A. M.:	89.9	NW.	..	..	1	S., Ci-s., N.
	8 25	18.5	752.50	29.536	56.2	53.5	.391	(D. 50.)	88.	NNW.	1	..	8	Ci-cu., N., Cu s. from *SSW.*
	10 25	17.7	753.10	29.562	55.2	51.4	.350	(A. 55.8)	84.	NNW.	..	..	8	Ci-cu., Cu-s. from *N.*
	12 25	17.4	753.30	29.572	54.	50.	.329	3 P. M.:	83.	NNW.	1	.	8	Ci cu., Cu-s. from *SSW.*
	14 25	17.6	753.25	29.570	55.5	50.8	.332	(D. 44.7)	81.	NNW.	..	..	5	Ci-cu., Cu., Cu-s. from *NW.*
	16 25	16.3	754.05	29.607	54.4	49.2	.305	(A. 55.5)	79.	NNW.	..	..	8	Do., from *W.* and from *NW.*
	18 25	16.5	755.20	29.652	50.1	46.	.280	9 P. M.:	80.	NNW.	..	..	3	Cu., Cu-s., Ci., Ci-cu. from *SW.*
	20 25	15.9	755.45	29.665	48.5	44.3	.260	(D. 37.)	80.	NNW.	..	..	5	Cu., Cu-s.
	22 25	14.5	755.55	29.675	45.7	42.5	.252	.....	80.5	NW.	..	..	..	Clear.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
31	0 25	14.	756.00	29.694	44.5	41.5	.245	3 A. M.:	83.7	NW.	..	..	3	Cu., Cu-s.
	2 25	13.5	756.40	29.711	43.	40.	.230	(D. 38.2)	86.	NW.	..	..	1	Clouds in Hor.
	4 25	12.8	757.00	29.739	43.	40.4	.239	.....	86.9	NW.	..	..	2	Cu., Ci-cu.
	6 25	11.6	757.00	29.744	43.4	38.5	.196	9 A. M.:	76.9	NW.	..	..	8	N., Cu.
	8 25	12.	758.55	29.804	43.5	38.7	.199	(D. 30.3)	77.	NW.	..	..	8	Ci-cu., S., Cu-s.
	10 25	12.	758.50	29.802	46.7	39.3	.175	(A. 44.)	71.5	NNW.	..	..	8	Cu., Ci-cu., Cu-s. from *NW.*
	12 25	12.4	757.85	29.775	48.	40.8	.191	3 P. M.:	67.5	NNW.	1	..	6	Cu., Ci-cu. from *NW.*
	14 25	12.7	757.70	29.768	50.	41.1	.175	(D. 29.4)	65.5	NNW.	1	..	3	Cu., Ci-cu. from *NW.*
	16 25	13.	759.00	29.816	48.5	40.8	.186	(A. 50.3)	67.5	WNW.	2	..	1	Cu., Ci., Cu-s. from *NW.*
	18 25	12.5	760.05	29.861	44.6	39.2	.197	9 P. M.:	71.	WNW.	..	..	..	Ci-s., Ci. in Hor.
	20 25	12.	760.70	29.889	43.6	39.	.204	(D. 32.)	74.5	WNW.	..	..	8	Cu., Cu-s.
	22 25	11.8	761.20	29.909	44.	39.5	.210	.....	78.	WNW.	..	..	2	Cu., Ci-cu., Cu-s.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.*	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
2	0	25	11.6	768.95	30.215	38.5	36.	.202	3 A. M.:	88.	NW.	..	..	..	Clear.
	2	25	10.	769.55	30.246	40.3	37.	.201	(D. 39.5)	85.	NNE.	..	..	..	Clear.
	4	25	9.5	769.90	30.263	39.5	36.5	.200	.....	85.1	ENE.	..	..	..	Clear.
	6	25	9.1	770.70	30.295	38.6	36.8	.216	9 A. M.:	86.1	ENE.	..	..	..	Foggy, with S.
	8	25	9.9	771.65	30.330	42.6	39.6	.227	(D. 36.2)	86.	NE. by E.	..	..	..	Hazy.
	10	25	10.5	772.20	30.348	46.7	42.7	.244	(A. 43.4)	82.	E. by N.	..	..	..	Hazy.
	12	25	11.3	771.65	30.323	50.3	46.5	.287	3 P. M.:	78.5?	ENE.	..	..	..	Hazy.
	14	25	12.3	771.25	30.303	52.3	46.8	.271	(D. 40.6)	78.	ENE.	..	..	..	Hazy.
	16	25	13.5	771.30	30.298	50.8	46.2	.276	(A. 52.)	80.	ENE.	..	..	1	S.
	18	25	13.3	771.30	30.299	46.2	43.3	.264	9 P. M.:	80.7	ENE.	..	..	..	Clear.
	20	25	12.5	771.10	30.296	42.	40.5	.252	(D. 37.)	82.	NE. by E.	..	..	..	Clear.
	22	25	11.5	770.40	30.273	40.3	39.2	.245	.....	82.	NE. by E.	..	..	..	Clear.
3	0	25	10.9	770.00	30.260	39.	38.	.235	3 A. M.:	93.1	NE. by E.	..	..	..	Clear.
	2	25	10.	769.20	30.232	36.5	36.	.224	(D. 32.5)	96.9?	NE. by E.	..	..	..	Clear.
	4	25	9.5	768.80	30.220	36.4	35.5	.216	.....	94.8	NE. by E.	..	..	..	Clear.
	6	25	8.6	768.45	30.210	33.8	33.5	.207	9 A. M.:	94.9	N. by E.	..	..	..	Hazy, S. around Hor.
	8	25	10.6	769.00	30.222	43.9	41.1	.243	(D. 38.5)	86.5	NE. by N.	..	..	..	Light Ci-s. in *SW.*
	10	25	10.5	768.10	30.187	49.	44.5	.258	(A. 43.)	80.	NNE.	..	..	..	Some Ci-s. in *W.*
	12	25	11.2	766.50	30.121	53.7	45.9	.235	3 P. M.:	70.5	NE.	..	..	1	Ci-s., S.
	14	25	13.	766.00	30.092	57.5	48.2	.245	(D. 37.6)	65.5	ENE.	..	..	1	Ci., S.
	16	25	14.6	765.75	30.074	56.5	47.8	.247	(A. 56.)	68.	NE.	..	..	3	Light Ci. and S.
	18	25	14.	765.55	30.070	50.	45.5	.269	9 P. M.:	70.	NE.	..	..	1	Ci., Ci-s., S.
	20	25	13.6	765.25	30.059	49.5	43.3	.227	(D. 33.)	70.5	NE.	..	..	2	Very light Ci. and S.
	22	25	13.3	764.60	30.035	47.6	42.4	.228	.....	74.1	NE.	..	..	..	S., hazy.

* Record imperfect, from not noting properly the snow of 18th, 19th, and 27th. Amount recorded at Pennsylvania Hospital, in Philadelphia, .48 inch of water.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
4	0 25	12.5	764.10	30.020	46.5	42.	.232	3 A. M.:	79.5	NE. by N.	..	..	..	S., hazy.
	2 25	12.1	764.00	30.017	44.	40.8	.236	(D. 35.5)	84.2	NE. by N.	..	..	..	Some Ci-s.
	4 25	12.	763.90	30.014	46.8	42.5	.239	.....	79.	NE. by N.	..	..	4	Thin Ci-s.
	6 25	12.	764.15	30.024	44.3	39.8	.212	9 A. M.:	79.5	NE. by N.	..	..	7	N., Cu., Ci-cu.
	8 25	12.5	764.60	30.040	49.8	43.4	.226	(D. 33.5)	75.2	NNE.	..	..	4	Ci., Ci-s.
	10 25	13.	764.90	30.049	54.1	44.2	.194	(A. 50.6)	65.	NE.	..	..	6	Ci., S.
	12 25	13.	763.90	30.009	56.6	45.1	.186	3 P. M.:	61.	NE.	..	..	3	Ci., S.
	14 25	14.3	763.75	29.998	58.	46.3	.197	(D. 33.6)	61.	ENE.	..	..	3	Ci., S.
	16 25	15.	764.00	30.003	54.7	46.3	.234	(A. 57.5)	64.5	ENE.	..	..	1	Ci., S.
	18 25	14.8	764.10	30.009	49.4	43.2	.225	9 P. M.:	67.	NE. by E.	..	..	..	Clear.
	20 25	13.8	764.30	30.021	46.6	42.2	.235	(D. 35.3)	78.	ENE.	..	..	..	Clear.
	22 25	13.2	764.10	30.016	46.	42.	.238	.....	82.	NE.	..	..	..	Clear.
5	0 25	13.2	763.95	30.010	43.1	40.8	.246	3 A. M.:	89.	NE.	..	..	..	Clear.
	2 25	11.9	763.60	30.002	41.	39.	.232	(D. 33.8)	90.9	ENE.	..	..	..	Clear.
	4 25	11.3	763.20	29.989	38.6	37.5	.230	.....	93.5	NE.	..	..	..	Clear.
	6 25	10.5	763.45	30.003	36.5	35.5	.215	9 A. M.:	95.5	NE.	..	..	..	Some light N., Cu., Ci-s.
	8 25	10.3	763.30	29.998	41.8	39.8	.240	(D. 38.2)	90.	NNE.	..	..	2	Ci., hazy.
	10 25	11.2	763.10	29.986	50.2	45.7	.271	(A. 45.)	81.	NE.	..	..	3	Ci., S.
	12 25	12.5	761.50	29.918	53.8	47.3	.267	3 P. M.:	75.	N.	..	..	3	Ci., Ci-cu., S.
	14 25	14.	760.75	29.882	57.6	49.4	.273	(D. 41.8)	71.5	N.	..	..	2	Ci., S.
	16 25	15.5	761.00	29.882	56.6	49.5	.287	(A. 57.3)	72.4	NNE.	..	..	7	Ci., Ci-cu., S., Ci-s.
	18 25	15.	761.05	29.887	51.7	47.	.284	9 P. M..	74.3	N.	..	..	1	Light Ci., Ci-s.
	20 25	13.	761.00	29.895	51.7	46.8	.279	(D. 39.5)	80.	NNW.	..	..	..	Hazy, with some Ci.
	22 25	13.2	760.90	29.891	49.7	45.7	.277	.....	82.	NNW.	..	..	5	Ci.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Date.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
6	0 25	13.	760.80	29.888	47.5	44.5	.275	3 A. M.:	85.9	NNW.	..	..	6	Fine Ci. and Ci-s.
	2 25	12.5	760.65	29.885	46.5	44.	.276	(D. 41.)	88.7	NNW.	..	..	3	Ci., Ci-s., N.
	4 25	12.1	760.55	29.882	46.	43.5	.271	.....	89.1	NNW.	..	..	..	Cu. and N. in *E.* Hor.
	6 25	11.4	760 30	29.876	45.2	42.5	.258	9 A. M.:	87.9	NNW.	..	..	8	Ci., Ci-s, Cu., N.
	8 25	11.2	760.65	29.891	49.	42.5	.215	(D 37.4)	78.	NNW.	1	..	6	Ci., Ci-s., S.
	10 25	12.	760.80	29.893	54.5	44.4	.195	(A. 51.4)	67.	N.	2	..	5	Ci., Ci-s., S., with Cu-s.
	12 25	13.	760.00	29.856	57.	45.2	.185	3 P. M.:	63.	N.	1	..	8	Ci., Ci-s., S., with Cu-s.
	14 25	14.	759.90	29.848	59.5	46.2	.179	(D. 34.6)	60.	N. by W.	1	..	8	Ci., Ci-s., S., with Cu-s.
	16 25	14.	760.30	29.864	56.5	46.8	.225	(A. 57.2)	66.5	NNW.	..	..	3	Ci., Ci-s., S.
	18 25	14.	760.65	29.878	51.1	43.9	.222	.....	72.	NNW.	..	..	2	Ci., Ci-s., halo.
	20 25	13.4	761.00	29.893	50.4	43.1	.213	.....	73.	NNW.	..	..	3	Ci., Ci-s., halo.
	22 25	13.	761.65	29.921	48.	41.5	.206	.....	73.	NNW.	..	..	1	Ci., Ci-s.
7	0 25	12.3	762.00	29.938	48.1	40.5	.195	3 A. M.:	71.2	N. by E.	..	..	6	Ci., Ci-s.
	2 25	12.	762.00	29.939	47.	40.	.186	(D. 32.)	71.5	N.	..	..	4	Ci., Ci-s., with Ci-cu.
	4 25	11.4	762.65	29.968	45.	38.6	.180	.....	74.2	N.	..	..	..	A Cu. cloud in *E.* Hor.
	6 25	11.	763.35	29.997	40.5	36.3	.185	9 A. M.:	79.5	N. by E.	..	..	..	Cu., Cu-s., Ci., S. in Hor.
	8 25	11.3	763.80	30.013	46.7	40.2	.193	(D. 32.3)	76.	N.	..	..	..	Ci., Ci-s. in Hor., hazy.
	10 25	11.7	764.00	30.019	50.	43.4	.224	(A. 50.)	71.	ENE.	1	..	½	Ci., Ci-s.
	12 25	13.	763.20	29.981	51.2	45.	.244	3 P. M.:	72.	ENE.	1	..	½	Ci., Ci-s.
	14 25	14.2	763.30	29.980	52.	46.5	.269	(D. 38.)	78.	E.	..	..	1	Ci., Ci-cu., Ci-s.
	16 25	14.	763.70	29.997	49.6	45.	.262	(A. 50.)	81.	ENE.	..	..	7	Ci., Ci-cu., Cu., Ci-s.
	18 25	13.5	763.95	30.008	47.5	44.	.265	9 P. M.:	84.7	E.	..	..	8	N., Cu.
	20 25	12.9	763.75	30.004	47.1	43.5	.259	(D. 38.1)	86.	E.	..	..	8	N., Cu.
	22 25	12.4	762.95	29.975	46.1	43.4	.268	.....	87.8	ENE.	..	..	8	Very light N.

Date. Day.	Hour.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Therm'rs, Fah. Dry.	Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's	Wind. Dir. points.	Force, lbs.	Rain, inches.	Sky covered, 8ths.	Clouds, &c.
	h. m.													
9	0 25	12.2	754.30	29.636	*47.	†46.3	.321	3 A. M.:	92.5	E. by N.	..	..	8	N. from *NW.*
	2 25	12.	753.75	29.615	46.5	45.8	.315	(D. 45.)	93.4	E. by N.	..	..	8	N., Cu. from *NW.*
	4 25	12.	753.45	29.603	46.5	45.5	.309	.....	92.6	E. by N.	..	..	8	N. from *NW.*
	6 25	12.	753.60	29.609	46.1	45.6	.315	9 A. M.:	95.9	E. by N.	..	..	8	N. from *NW.*
	8 25	12.5	754.15	29.629	47.5	44.5	.275	(D. 41.5)	85.	NW.	..	..	8	Ci-cu., S., N. from *NW.*
	10 25	12.	754.40	29 641	47.6	44.4	.272	(A. 47.8)	84.	NW.	2	..	8	Ci., Ci-cu., Cu., N. from *NW.*
	12 25	12.	754.25	29 635	46.8	44.2	.277	3 P. M.:	86.5	WNW.	3	..	8	N., Ci-cu., Cu., Ci-s.
	14 25	11.7	754.40	29.642	49.3	45.5	.278	(D. 41.3)	82.5	WNW.	2	..	8	Ci-cu., Cu., Cu-s., N.
	16 25	12.	755.25	29.674	50.5	45.6	.267	(A. 49.5)	79.7	WNW.	1	..	8	Ci-cu., Cu-s., S., N.
	18 25	12.	755.70	29.692	50.3	45.6	.269	9 P. M.:	79.7	WNW.	1	..	8	Ci-cu., Cu-s., S., N. from *NW.*
	20 25	12.	755.70	29.692	50.	44.9	.256	(D. 41.5)	78.	WNW.	2	..	8	Cu., Cu-s. from *NW.*
	22 25	11.8	755.45	29.683	47.5	43.	.243	.....	76.	NW.	2	..	4	Ci., Cu., Ci-s., Cu-s., S.
10	0 25	11.9	755 75	29.694	48.	42 5	.227	3 A. M.:	75.8	NW.	?	..	8	Cu., N., Ci., Ci s., S.
	2 25	11.1	756.15	29.713	47.4	42.	.223	(D. 38.8)	76.1	NW.	?	..	8	Cu., Cu-s., Ci., Ci-s.
	4 25	11.	756 65	29.734	47.7	43.	.241	.....	78.2	NW.	?	..	8	Cu., N., Cu-s., Ci-cu.
	6 25	10.8	757.80	29.781	48.5	44.	.255	9 A. M.:	79.8	WNW.	3	..	8	N., Cu-s. from *NW.*
	8 25	11.3	758.50	29.805	49.8	44.8	.256	(D. 39.7)	78.	WNW.	2	..	8	Ci-cu., N., Cu-s. from *N.*
	10 25	11.6	759.25	29.832	51.	45.	.247	(A. 50.)	76.	N. by W.	3	..	8	Ci-cu., N., Cu-s. from *N.*
	12 25	12.	759.20	29.829	52.5	45.5	.242	3 P. M.:	73.	N.	7	..	7	Ci-cu., Cu. from *N.*
	14 25	12.6	759.80	29.851	53.7	46.5	.251	(D. 39.3)	73.	NNW.	4	..	1	Ci cu., Cu-s.
	16 25	13.	761.00	29.895	50.6	44.5	.241	(A. 51.4)	74.5	NNW.	4	..	1	Ci-cu., Cu-s.
	18 25	12.7	761.50	29.917	48.	43.4	.248	9 P. M.:	78.2	NNW.	4	..	1	S., Ci-s.
	20 25	12.	761.25	29.910	46.	41.3	.224	(D. 33.4)	78.	NNW.	2	..	..	Ci s. in Hor.
	22 25	11.3	761.25	29.913	44.5	39.5	.204	.....	77.	NNW.	3	..	..	Clear.

* Recorded 46.3. † Recorded 47.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
11	0 25	10.5	762.10	29.950	43.3	38.6	.200	3 A. M.:	72.	N.	..	..	..	Clear.
	2 25	10.	761.95	29.948	41.6	37.1	.188	(D. 33.4)	77.1	NNW.	1	..	..	Clear.
	4 25	9.1	761.80	29.945	39.1	35.2	.179	.....	78.9	NNW.	1	..	..	Clear.
	6 25	8.8	762.50	29.974	37.7	34.	.172	9 A. M.:	79.	N.	1	..	..	Clear.
	8 25	9.	763.20	30.000	40.1	35.7	.177	(D. 30.4)	77.5	NNW.	1	..	..	Clear.
	10 25	9.4	763.20	29.998	45.7	40.2	.204	(A. 42.)	76.	N. by E.	2	..	..	Few small detached Cu.
	12 25	10.6	762.00	29.946	49.6	43.2	.223	3 P. M.:	74.	N. by E.	1	..	..	Cu., Cu-s., S. in *SE.* Hor.
	14 25	11.5	761.80	29.935	52.6	45.3	.236	(D. 36.3)	72.	N. by E.	1	..	6	Ci., Ci-cu., Cu-s. from *ENE.*
	16 25	12.6	761.45	29.916	51.3	44.8	.239	(A. 52.2)	73.5	N.	..	..	3	Ci., Ci cu., Ci-s., S.
	18 25	12.5	763.35	29.990	47.2	42.5	.235	9 P. M.:	75.5	NE.	..	..	..	Clear.
	20 25	11.9	762.10	29.943	44.4	40.6	.227	(D. 35.)	80.	ENE.	..	..	..	Clear.
	22 25	11.3	762.30	29.954	42.	39.2	.225	.....	83.5	NE.	..	..	8	Ci., Ci cu., Ci-s. from *E.*
12	0 25	11.	762.50	29.964	42.8	39.8	.229	3 A. M.:	84.3	NNW.	..	..	8	Overcast, misty.
	2 25	11.	761.30	29.917	42.8	40.	.232	(D. 34.5)	86.2	NNE.	..	..	8	Overcast, misty.
	4 25	10.5	760.35	29.882	42.	39.8	.238	.....	88.5	ENE.	..	..	8	Overcast, misty.
	6 25	10.3	761.25	29.918	40.5	39.5	.249	9 A. M.:	94.	NNW.	..	.01	8	N., very light rain.
	8 25	10.	760.90	29.906	42.5	41.2	.262	(D. 38.2)	90.	NNW.	..	..	7	Ci., Ci-cu., Cu-s., S., N.
	10 25	11.	760.70	29.894	46.6	44.	.276	(A. 44.)	86.5	NW. by N.	..	..	7	Cu., Ci-cu. from *NW.*
	12 25	12.	759.00	29.821	49.	45.5	.281	3 P. M.:	83.	N.	..	..	3	Cu., with Cu-s. from *NW.*
	14 25	13.	758.10	29.781	52.7	47.7	.289	(D. 43.)	79.	NW. by N.	..	..	½	Cu., Ci cu., hazy.
	16 25	14.8	758.00	29.769	52.3	47.2	.282	(A. 52.7)	78.5	NW.	..	..	..	A little Cu s. in *E.* Hor., hazy.
	18 25	14.7	758.30	29.781	45.5	43.1	.267	9 P. M.:	86.4	NW.	..	..	..	Clear.
	20 25	14.	758.00	29.773	42.5	41.	.257	(D. 38.4)	91.	NW.	..	..	..	Clear.
	22 25	13.	757.80	29.770	47.	42.5	.238	.....	80.	NW.	..	..	..	Clear.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
13	0	25	12.	757.80	29.775	43.	40.5	.241	3 A. M.:	84.5	NW.	..	..	..	Clear.
	2	25	11.7	757.70	29.772	46.5	41.6	.225	(D. 37.8)	79.	NW.	1	..	..	Clear.
	4	25	11.1	757.90	29.783	44.	38.9	.197	.....	77.2	NW.	..	..	7	Ci-s.
	6	25	10.6	758.90	29.825	41.1	37.	.192	9 A. M.:	80.	NW.	..	..	..	Ci-s., S.
	8	25	11.	759.25	29.836	44.1	39.2	.202	(D. 35.5)	78.5	NW.by W.	..	..	½	Ci-s. in *S.*
	10	25	11.5	759.00	29.824	49.4	41.7	.195	(A. 46.8)	70.5	WNW.	1	..	..	Ci-s. in *S.*
	12	25	12.	758.25	29.792	52.	41.5	.161	3 P. M.:	62.	W. by N.	2	..	..	Ci-s. in *S.*
	14	25	13.	758.25	29.787	53.	42.	.160	(D. 33.4)	60.	W. by N.	1	..	..	Very light Ci., Ci-s. in Hor.
	16	25	13.6	759.15	29.819	50.5	40.	.146	(A. 52.6)	59.5	W. by N.	1	..	..	Very light Ci., Ci-s. in Hor.
	18	25	12.7	760.30	29.870	45.7	37.6	.152	9 P. M.:	63.5	NW.	..	..	..	Clear.
	20	25	11.9	761.20	29.908	43.3	36.1	.149	(D. 32.5)	67.	NW.	..	..	..	Clear.
	22	25	11.	761.50	29.925	41.9	35.5	.154	.....	68.	NW.	..	..	..	Clear.
14	0	25	10.5	761.60	29.931	41.	35.	.154	3 A. M.:	70.5	NW.	..	..	..	Clear.
	2	25	9.8	761.70	29.939	36.7	33.5	.174	(D. 25.3)	75.5	NW.	..	..	..	Clear.
	4	25	9.	762.00	29.953	33.9	31.5	.172	.....	85.	W. by S.	..	..	..	Clear.
	6	25	8.5	762.50	29.975	31.5	29.8	.167	9 A. M.:	89.5	W. by S.	..	..	7	Ci., Ci-s. from *W.*
	8	35	8.2	762.20	29.965	34.6	32.6	.181	(D. 30.4)	89.	W. by S.	..	..	4	Ci , Ci-cu.
	10	25	8.8	762.00	29.954	43.5	38.5	.195	(A. 37.5)	78.	S. by E.	..	..	5	Ci., Ci-cu., S. from *W.*
	12	25	10.	760.40	29.886	47.3	40.6	.195	3 P. M.:	72.	SE. by S.	..	..	3	Ci., Ci-s.
	14	25	11.2	758.90	29.822	50.7	42.7	.200	(D. 29.2)	68.5	SSE.	..	..	2	Light Ci., Ci-s., Cu-s.
	16	25	11.2	758.00	29.786	46.8	40.3	.194	(A. 48.)	71.	SE. by S.	1	..	8	Ci., Ci-cu., Ci-s., N.
	18	25	11.	757.70	29.777	44.3	39.8	.213	.....	78.5	E. by S.	..	..	8	N.
	20	25	10.4	755.70	29.700	42.4	39.4	.225	.....	81.	ENE.	..	..	8	N.
	22	25	10.2	753.00	29.593	48.	46.	.304	.....	87.5	E.	1	.15	8	N., raining hard.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
16	0 25	6.7	757.65	29.795	33.9	29.5	.138	3 A. M.:	76.	NW.	..	..	8	Cu., N. from *W.*
	2 25	5.9	758.25	29.822	31.5	28.5	.146	(D. 19.)	79.1	NW.	..	..	..	Cu., Cu-s.
	4 25	5.5	758.60	29.837	31.	28.7	.154	.....	83.3	NW.	..	..	8	Cu., N. from *W.*
	6 25	5.3	759.15	29.859	31.5	29.7	.166	9 A. M.:	85.7	NW.	..	..	8	Ci., Ci cu., Cu., Cu-s. from *W.*
	8 25	6.	760.00	29.890	34.7	31.9	.171	(D. 24.)	83.	NW.	..	..	8	Ci-cu., Cu-s., Ci-s. from *W.*
	10 25	6.	760.10	29.894	37.7	32.1	.137	(A. 36.)	74.	W.	..	..	8	Ci., Ci-cu., Ci-s., Cu-s.
	12 25	6.4	759.00	29.848	39.6	33.5	.141	3 P. M.:	72.	W.	..	..	4	Ci., Cu., Ci-cu., Ci-s.
	14 25	6.6	758.40	29.824	40.	33.8	.142	(D. 24.)	70.5	W.	..	..	8	Cu., Ci-cu., Ci-s. from *W.*
	16 25	7.4	759.00	29.843	38.9	31.9	.129	(A. 39.5)	70.	W.	..	..	6	Ci-cu., Ci-s., S., Cu. from *W.*
	18 25	6.8	760.00	29.886	33.5	29.5	.142	9 P. M.:	75.5	W.	..	..	..	Ci-cu., S. in *NNE.*
	20 25	6.3	760.45	29.906	31.2	28.3	.146	(D. 29.5)	80.5	W.	..	..	..	Ci. in *SW.*, S. in *NW.*
	22 25	5.7	760.60	29.916	29.	27.5	.155	.....	85.	W.	..	..	..	Clear.
17	0 25	5.1	760.50	29.914	28.	26.	.141	3 A. M.:	86.	W.	..	..	..	Clear.
	2 25	4.4	760.60	29.921	27.5	25.5	.138	(D. 20.5)	86.	W.	..	..	..	Clear.
	4 25	3.9	760.60	29.924	25.	24.	.139	.....	90.2	SW. by W.	..	..	..	Clear.
	6 25	3.7	760.60	29.925	27.4	25.5	.139	9 A. M.:	86.9	SW. by W.	..	..	8	N., Cu., Ci-cu., S.
	8 25	4.1	760.80	29.931	....	....	....	(D. 25.5)	....	SW.	..	..	..	
	10 25	5.	760.15	29.900	38.4	32.	.135	(A. 35.7)	75.	SW.	..	..	3	Ci., Ci-cu., S.
	12 25	6.	759.25	29.860	40.5	35.	.160	3 P. M.:	72.5	SW.	1	..	8	Ci-cu., S.
	14 25	7.	758.40	29.823	41.7	36.7	.179	(D. 27.8)	74.5	SW.	1	..	6	Cu., Ci-cu., Cu-s. from *W.*
	16 25	7.	758.10	29.811	40.	35.5	.175	(A. 41.)	77.	SW.	..	..	8	Ci., Ci-cu., Cu-s.
	18 25	7.5	758.50	29.824	37.7	35.3	.197	9 P. M.:	87.	SSW.	..	..	3	Cu., Ci-cu.
	20 25	7.	758.75	29.837	33.6	32.6	.193	(D. 30.)	93.	SSW.	..	..	1	Ci-cu. in *S.*
	22 25	6.5	758.50	29.828	32.3	31.6	.189	.....	95.	SSW.	..	..	2	Ci-cu., S., (?) dark.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
18	0 25	6.8	758.30	29.819	32.6	31.6	.186	3 A. M.:	90.5	SSW.	..	..	4	Cu., Ci-cu., S.
	2 25	5.5	758.55	29.835	32.4	31.5	.187	(D. 29.)	91.5	NW.	..	..	8	Very dark.
	4 25	5.8	758.85	29.846	33.5	31.5	.176	.....	86.8	NNW.	..	..	8	Very dark.
	6 25	5 9	758.30	29.824	32.8	31.8	.188	9 A. M.:	83.2	NNW.	..	..	8	N., snowing fast.
	8 25	5.4	758.25	29.824	29.6	29.3	.178	(D. 27.)	93.	NNE.	..	..	8	N., snowing fast.
	10 25	5.	756.80	29.768	30.3	29.6	.176	(A. 31.)	93.	NNE.	..	..	8	N., snowing.
	12 25	5.6	755.00	29.695	30.6	29.9	.178	3 P. M.:	90.	NNE.	..	..	8	N., snowing
	14 25	5.5	752.70	29.606	30.4	29.9	.180	(D. 28.)	93.	NNE.	..	..	8	N., snowing gently.
	16 25	5.3	751.75	29.568	30.3	29.9	.181	(A. 31.)	93.	NNE.	..	..	8	N., snowing gently.
	18 25	5.1	751.90	29.575	29.9	29.7	.182	9 P. M.:	90.8	N.	..	..	8	N., snowing gently.
	20 25	5.	752.00	29.579	29.8	29.1	.173	(D. 28.)	92.	NNW.	..	..	8	N., snowing gently.
	22 25	4.6	752.20	29.589	29.6	29.3	.178	.....	92.5	NNW.	..	..	8	N., snowing gently.
19	0 25	4.3	752.70	29.611	30.	29.6	.179	3 A. M.;	93.	NW.	..	..	8	Snowing.
	2 25	3.8	753.00	29.624	30.9	29.9	.175	(D. 27.9)	89.9	NW.	..	..	8	Snowing.
	4 25	4.7	753.30	29.632	29.7	28.3	.161	.....	84.5	NW.	..	..	1	Cu., Ci-cu., Cu-s.
	6 25	3.6	753.80	29.657	31.5	29.5	.162	9 A. M.:	77.	WNW.	..	..	8	N., Cu-s., S.
	8 25	3.6	754.75	29.695	30.8	29.5	.169	(D. 25.4)	77.5	W. by N.	..	..	4	Ci., Ci-cu., Cu-s.
	10 25	4.7	755.20	29.707	34.8	32.6	.180	(A. 32.8)	78.	W. by N.	..	..	5	Ci., Ci-cu. from *NW.*
	12 25	6.	755.10	29.697	36.2	32.9	.169	3 P. M.:	80.	WNW.	2	..	8	Ci-cu., N., Cu-s. from *NW.*
	14 25	5.7	755.40	29.710	34.7	32.7	.182	(D. 29.8)	87.	NW.	..	..	8	N., Cu-s., Ci-s.
	16 25	5.5	756.40	29.750	34.5	32.7	.184	(A. 34.7)	87.5	W. by N.	..	..	8	N., snowing lightly.
	18 25	5.6	757.15	29.780	35.9	32.3	.161	.....	79.	W.	..	..	8	N.
	20 25	5.5	758.00	29.813	34.9	31.5	.162	.....	79.5	W.	..	..	2	Ci., Ci-cu., Ci-s., N.
	22 25	5.6	758.90	29.849	35.	31.6	.162	.....	80.	W.	..	..	8	Dark, probably N.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
20	0 25	5.2	*758.65	29.841	35.6	32.	.163	3 A. M.:	88.7	NW.	..	..	2	Cu., N.
	2 25	5 2	759.30	29.866	35.2	31.7	.162	(D. 25 3)	80.1	NW.	1	..	2	Cu., N.
	4 25	5.5	760.00	29.892	35.5	32.2	.164	.....	81.9	WNW.	..	..	8	Cu., N.
	6 25	5.9	760.90	29.927	36.6	32.	.153	9 A. M.:	76.1	NW.byW.	..	..	8	Cu., N. and S.
	8 25	5.5	761.70	29.959	36.7	30.7	.130	(D. 23.2)	70.	NW.	1	..	2	Ci-cu., Cu-s.
	10 25	6.2	762.40	29.983	37.2	31.2	.134	(A. 37.)	68.	NW.	2	..	..	Ci-cu. around Hor.
	12 25	6.7	762.50	29.985	38.8	32.6	.134	3 P. M.;	69.	NW.	1	..	..	Ci-cu., Cu. from *NW.*
	14 25	8.	762.75	29.988	40.	34.	.146	(D. 25.)	69.	NW.	..	..	..	Clear.
	16 25	7.6	763.00	30.000	39.1	33.1	.139	(A. 40.4)	68.5	WNW.	..	..	3	Ci., Ci-cu., Cu-s. from *NW.*
	18 25	8.3	764.00	30.036	35.	31.	.152	9 P. M.:	74.2	WNW.	..	..	..	Clear.
	20 25	7.2	764.30	30.053	32.7	29.3	.157	(D. 19.)	77.	W.	..	..	..	Clear.
	22 25	6.5	765.30	30.096	30.8	27.8	.142	*.....	79.	W.	..	..	..	Clear.
21	0 25	5.5	765.25	30.098	28.6	26.6	.144	3 A. M.:	84.	N. by E.	..	..	..	Clear.
	2 25	5.1	765.70	30.118	27.5	26.	.146	(D. 24.5)	87.2	N. by E.	..	..	..	Clear.
	4 25	4.4	765 50	30.113	24.4	23.6	.139	(A. 26.)	93.9	N. by E.	..	..	..	Clear.
	6 25	4 3	766.15	30.140	23.5	23 5	.147	9 A. M.:	95.9	N. by E.	..	..	..	Ci., Ci-cu.
	8 25	4.8	767.10	30.175	29.2	28.4	.167	(D. 25.)	92.	N. by E.	..	..	8	Ci-cu., S.
	10 25	4.5	767.00	30.172	36.1	31.8	.154	(A. 30.6)	80.	N. by E.	..	..	8	Ci-cu., N., Cu-s., S.
	12 25	5.3	766.00	30.129	38.6	34.2	.165	3 P. M.:	76.	W.	..	..	8	Ci cu., N., Cu-s.
	14 25	6.8	765.50	30.102	39.8	35.3	.173	(D. 23.)	74.5	SW.	..	..	6	Ci-cu., Ci-s., Cu-s.
	16 25	6.8	765.20	30.090	37.5	33.2	.159	(A. 34.)	75.5	SW.	..	..	4	Ci., Ci-cu., Cu-s.
	18 25	7.3	766.00	30.120	36.	32.7	.167	9 P. M.:	80.4	E. by N.	..	..	8	Dark.
	20 25	7.5	766.15	30.125	33.6	31.8	.180	(D. 27.3)	84.5	E. by N.	..	..	1	Ci-cu.
	22 25	7.	764.55	30.065	31.5	30.5	.179	(A. 32.6)	91.4	E.	..	..	1	Cu-s.

* Previous to this time, the temperature of the air recorded with the dew point is that given by the thermometer attached to the instrument. This, however, has been rejected in all the *night observations*, because the observers' lamp in many cases evidently affected the thermometer. From November 21, 1840, the temperature of the air is that given by the observatory standard thermometer.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
23	0 25	12.8	747.85	29.379	58.5	57.3	.465	3 A. M.:	93.5	SW.	..	..	8	N., light rain.
	2 25	13.6	748.35	29.394	59.	58.5	.493	(D. 56.5)	93.6	SW. by W.	..	.04	8	N., light rain.
	4 25	14.5	748.25	29.386	58.5	57.5	.470	(A. 58.6)	90.5	WSW.	..	..	8	N.
	6 25	14.7	749.00	29.414	55.6	55.5	.449	9 A. M.:	91.2	SW.	..	..	8	N.
	8 25	14.7	749.15	29.420	55.5	55.	.437	(D. 54.)	92.9	SW.	..	..	8	N.
	10 25	15.4	749.25	29 420	56.	53.7	.398	(A. 57.3)	89.	WNW.	..	..	8	Ci-cu., N., Cu-s.
	12 25	15.3	750.25	29.461	53.	48.	.294	3 P. M.:	79.	NW.	2	..	8	Cu., Ci-cu., and N. from *NNW.*
	14 25	14.7	752.60	29.557	51.	45.	.247	(D. 41.5)	74.5	NW.	2	..	8	Ci-cu., Cu., N. from *NW.*
	16 25	13.7	755.00	29.656	46.2	39.5	.185	(A. 49.8)	70.	WNW.	3	..	7	Ci-cu., Cu. from *W.*
	18 25	12.3	757.75	29.772	44.	37.8	.175	9 P. M.:	70.	WNW.	1	..	7	Cu., N.
	20 25	11.5	758.65	29.810	42.7	36.7	.168	(D. 31.)	70.	WNW.	1	..	1	Ci., Cu.
	22 25	10.7	759.85	29.862	40.5	35.5	.170	(A. 42.)	72.	WNW.	..	..	1	Ci cu. (?) in *N.*
24	0 25	10.	761.10	29.913	40.1	35.4	.172	3 A. M.:	72.5	WNW.	..	..	2	Ci-cu.
	2 25	9.5	762.25	29.961	37.	33.	.162	(D. 28.2)	75.8	NW.	..	..	..	Clear.
	4 25	8.9	762.75	29.984	34.8	31.6	.164	(A. 36.)	79.	NW.	..	..	..	Clear.
	6 25	8.9	763.95	30.031	33.6	31.2	.170	9 A. M.:	84.1	NW.	..	..	..	S. and Ci-s. around Hor.
	8 25	8.2	764.40	30.052	37.8	33.8	.167	(D. 32.)	78.5	NW.	..	..	..	Cu-s. in *W.*
	10 25	8.8	765.00	30.072	41.	36.	.172	(A. 40.2)	75.5	NW.	..	..	..	Clear, little hazy.
	12 25	10.3	764.90	30.062	44.5	38.	.173	3 P. M.:	73.	NW.	..	..	3	Cu., Ci-cu., Ci-s. from *SW.*
	14 25	11.3	764.40	30.037	45.2	39.2	.189	(D. 30.4)	71.	WSW.	..	..	4	Ci., Cu., Ci-cu.
	16 25	11.5	764.40	30.036	43.3	37.8	.183	(A. 45.2)	71.1	WSW.	..	..	2	Ci., Ci-s., S., Ci-cu.
	18 25	10.9	765.00	30.063	39.	34.9	.175	.....	77.	W. by N.	..	..	½	Light Ci-s. in Hor.
	20 25	10.3	765.40	30.081	37.3	33.5	.167	.....	77.5	W. by N.	..	..	3	Ci., Ci-s.
	22 25	9.3	764.80	30.063	35.	32.9	.182	.....	87.9	W. by N.	..	..	3	Ci., Ci-cu., Ci-s.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
25	0 25	9.2	764.15	30.037	34.8	32.6	.179	3 A. M.:	88.9	W. by N.	..	..	8	Overcast.
	2 25	8.3	763.95	30.033	35.	33.5	.193	(D. 30.9)	90.1	W. by N.	..	..	8	Overcast, N.
	4 25	8.4	764.50	30 055	34.	32.9	.194	(A. 34.)	91.9	N.	..	..	8	N.
	6 25	8.9	761.95	29.952	34.8	33.	.187	9 A. M.:	87.9	N.	..	..	8	N.
	8 25	8.	761.60	29.949	37.6	34.9	.191	(D. 29.)	84.	N.	..	..	8	N., Ci-cu.
	10 25	7.6	761.15	29.927	40.7	37.	.196	(A. 40.3)	81.5	NE.	..	..	8	Cu., S., N.
	12 25	8.	759.00	29.840	42.4	39.	.216	3 P. M.:	83.	NE.	..	..	8	N., Cu-s. from *SW.*
	14 25	8.2	757.00	29.761	41.5	39.2	.231	(D. 35.)	86.5	NE.	..	..	8	N., rain.
	16 25	8.5	756.30	29.731	40.2	39.2	.246	(A. 42.5)	93.	NE.	..	.07	8	N., rain.
	18 25	8.6	755.20	29.688	38.	37.1	.229	9 P. M.:	93.6	NE.	..	.08	8	N., rain.
	20 25	7.6	754.00	29.646	34.6	34.2	.211	(D. 34.)	95.	N.	..	.10	8	N., rain.
	22 25	8.	753.50	29.626	34.4	33.	.191	(A. 34.6)	94.5	N.	..	.12	8	N.
26	0 25	7.7	753.00	29.606	34.	33.5	.204	3 A. M.:	94.1	NW.	..	..	8	N.
	2 25	7.5	753.00	29.607	35.4	34.	.198	(D. 32.1)	90.	NW.	..	..	8	N.
	4 25	7.1	753.25	29.619	36.6	34.4	.193	(A. 35.7)	85.8	NW.	..	..	8	N.
	6 25	6.8	754.50	29.671	36.5	34.3	.192	9 A. M.:	83.1	NW.	..	..	8	N.
	8 25	7.	755.25	29.699	37.	34.	.180	(D. 33.)	82.	NW.	..	..	3	Ci., Cu., Cu-s.
	10 25	7.	756.00	29.728	39.2	34.4	.163	(A. 39.)	74.	NW.	1	..	3	Ci., Cu., Cu-s.
	12 25	8.	755.00	29.683	40.7	35.7	.171	.....	72.	WNW.	1	..	7	Ci., Cu., Ci-cu.
	14 25	8.	754.70	29.672	40.3	35.7	.176	.....	74.5	WNW.	1	..	7	Ci., Cu. with Ci-s.
	16 25	8.1	755.75	29.713	37.9	34.	.170	.....	75.	WNW.	..	..	7	Cu., Ci-cu., Cu-s., N.
	18 25	8.	756.70	29.750	33.3	32.9	.202	.....	90.	WNW.	..	..	8	N., snowing.
	20 25	7.3	756.70	29.754	33 5	32.8	.197	.....	92.	W.	..	..	8	N., snowing.
	22 25	6.9	757.00	29.768	33.4	32.	.185	.....	89.9	W.	..	..	8	N., snowing.

Date. Day.	Hour.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Therm'rs, Fah. Dry.	Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Force, lbs.	Rain, inches.	Sky covered, 8ths.	Clouds, &c.
	h. m.													
27	0 25	6.7	757.15	29.775	32.6	32.	.193	3 A. M.:	89.9	NW.	..	..	8	N., snowing.
	2 25	6.	758.05	29.813	32.6	32.	.193	(D. 26.9)	88.1	NW.	1	..	8	N., snowing.
	4 25	6.3	759.05	29.850	32.3	29.9	.161	(A. 36.2)	82.9	NW.	1	..	1	N.
	6 25	5.	761.05	29.935	31.2	28.9	.155	.....	81.1	NW.	1	..	3	N.
	8 25	...	.....	.....	....	....	....	.....	....	NNW.	1	..	..	
	10 25	...	.....	.....	....	....	....	.....	....	NW.	1	..	..	
	12 25	...	.....	.....	....	....	....	.....	....	NNW.	2	..	..	
	14 25	...	.....	.....	....	....	....	.....	....	NNW.	2	..	..	
	16 25	5.8	764.70	30.076	34.6	32.	.173	.....	72.	NW.	1	..	..	
	18 25	6.8	765.45	30.100	31.3	31.	.189	9 P. M.:	77.5	NW.	..	..	¼	Ci., Ci-s.
	20 25	6.1	766.30	30.137	30.7	30.2	.182	(D. 28.)	81.5	W. by N.	..	..	1	Ci., S.
	22 25	5.6	766.30	30.140	29.9	27.2	.141	(A. 30.)	....	W. by N.	..	..	..	Clear.
28	0 25	5.1	765.40	30.106	28.6	26.7	.146	3 A. M.:	88.8	W.	..	..	½	Cu-s.
	2 25	6.2	766.00	30.125	28.	26.4	.147	(D. 23.1)	84.5	W.	..	..	..	
	4 25	5.9	766.10	30.131	27.2	25.6	.142	(A. 28.)	84.	W.	..	..	8	Thin N.?
	6 25	5.	766.25	30.140	28.	26.	.141	9 A. M.:	83.2	W.	..	..	8	Ci-s. and thin N.
	8 25	5.3	766.45	30.147	31.4	28.3	.144	(D. 20.5)	79.5	WSW.	..	..	7	Ci-cu., Cu. from *NW.*
	10 25	5.8	766.00	30.127	37.1	31.9	.146	(A. 31.4)	77.5	SSW.	..	..	8	Cu., Ci., Ci-cu. from *SW.*
	12 25	6.5	764.30	30.057	41.2	35.6	.162	3 P. M.:	72.2	SSW.	1	..	2	Ci., Ci s. from *SW.*
	14 25	8.	763.10	30.001	44.	35.8	.135	(D. 23.5)	70.	SW.	1	..	1	Ci-cu., Ci. from *SW.*
	16 25	9.6	763.00	29.989	40.4	36.1	.181	(A. 44.)	75.	SW.	..	..	2	Ci., Ci-cu., Ci-s. near Hor.
	18 25	8.4	763.10	29.999	39.5	35.2	.174	9 P. M.:	76.8	SW.	..	..	8	N.
	20 25	7.9	763.20	30.006	36.	33.5	.182	(D. 28.8)	84.2	SW.	..	..	2	Cu., S., N.
	22 25	7.2	762.85	29.996	33.9	32.	.180	(A. 35.2)	87.	SW.	..	..	½	Cu.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	*m.*													
30	0	25	9.7	756.90	29.750	47.	42.5	.238	3 A. M.:	79.	S.	..	..	8	N.
	2	25	9.6	756.65	29.740	46.	42.	.238	(D. 38.3)	79.	S.	..	..	8	N.
	4	25	9.5	756.50	29.735	45.9	41.9	.237	(A. 47.3)	79.5	S.	..	..	8	N.
	6	25	9.5	756.55	29.737	45.5	41.6	.236	9 A. M.:	81.1	S.	..	..	8	N.
	8	25	10.	756.40	29.728	47.4	42.7	.238	(D. 35.8)	79.	S.	..	..	8	Ci-cu., N.
	10	25	10.	756.30	29.724	49.5	44.2	.247	(A. 47.5)	78.	S.	1	..	8	N., S.,
	12	25	10.5	754.75	29.662	53.6	47.3	.269	3 P. M.:	75.	SSW.	1	..	8	Ci., Ci-s., N.
	14	25	11.4	754.00	29.628	53.7	46.5	.251	(D. 39.)	74.	SW.	2	..	6	Ci., Ci-s.
	16	25	12.	754.00	29.625	52.3	46.2	.260	(A. 54.)	75.	SW.	2	..	4	Ci., Ci-s.
	18	25	12.3	756.15	29.708	51.4	43.8	.218	.....	72.	W.	1	..	1	Thin hazy clouds in *SW.*
	20	25	11.5	759.15	29.830	48.	36.5	.106	.....	52.	WNW.	3	..	..	Very clear in *N.*, hazy in *S.*
	22	25	10.4	762.35	29.961	38.9	30.7	.107	.....	59.	NW.	3	..	..	Clear, a few light clouds in *S.* Hor.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.*	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
1	0 25	8.7	764.25	30.044	32.9	25.9	.089	3 A M.:	60.8	NW.	..	..	..	
	2 25	7.3	765.30	30.092	29.	23.5	.091	(D. 20.)	64.5	NW.	..	..	..	Ci cu.
	4 25	6.1	765.60	30.109	27.8	23.1	.097	(A. 29.)	66.	NW. by W.	..	..	8	Light N.
	6 25	5.7	766.90	30.164	27.	23.5	.111	9 A. M.:	74.1	NW. by W.	..	..	8	Light N. and S.
	8 25	5.	767.70	30.197	28.5	25.5	.128	(D. 15.2)	75.	W.	..	..	8	N., Cu-s., and S.
	10 25	4.3	768.15	30.220	29.6	27.	.141	(A. 29.2)	70.5	NW.	..	..	8	N., Cu-s., and S.
	12 25	4.6	766.90	30.168	31.	29.2	.162	3 P. M.:	70.	NW.	..	..	7	Ci., Ci-cu., Cu-s., N.
	14 25	5.5	766.85	30.162	32.3	26.8	.109	(D. 17.3)	69.5	SW.	..	..	1	Ci s., Cu-s. in S.
	16 25	6.	767.60	30.188	30.	26.4	.125	(A. 32.2)	72.	SSW.	..	..	½	Ci-s., Cu-s. in S.
	18 25	5.	768.45	30.127	26.8	24.4	.127	9 P. M.:	76.	SSW.	..	..	..	Clear.
	20 25	4.7	768.65	30.137	25.5	22.5	.112	(D. 18.)	76.	SSW.	..	..	..	Clear.
	22 25	3.7	768.50	30.236	23.	22.	.129	(A. 24.)	88.5	SSW.	..	..	..	Clear.
2	0 25	3.4	768.60	30.241	21.1	20.5	.126	3 A. M.:	92.2	S. by E.	..	..	..	Clear.
	2 25	2.6	768.70	30.250	20.9	20.5	.128	(D. 19.)	93.8	S. by E.	..	..	..	Clear.
	4 25	2.	769.25	30.273	19.4	19.	.121	(A. 20.3)	93.	S. by E.	..	..	..	Clear.
	6 25	1.2	769.50	30.286	19.	18.6	.119	9 A. M.:	94.1	S. by E.	..	..	..	Clear.
	8 25	1.	770.00	30.307	22.5	21.5	.127	(D. 20.)	90.	E.	..	..	..	Hazy.
	10 25	1.8	770.50	30.323	30.3	28.3	.155	(A. 26.4)	84.	SSE.	..	..	..	Very hazy in Hor.
	12 25	3.	769.70	30.286	34.7	30.7	.149	3 P. M.:	74.	S. by W.	..	..	..	Slightly hazy.
	14 25	4.4	769.00	30.251	37.	32.2	.146	(D. 22.)	68.	SSW.	..	..	..	Clear.
	16 25	5.7	768.85	30.240	34.2	29.7	.138	(A. 36.5)	71.	SW.	..	..	..	Hazy.
	18 25	5.2	769.00	30.248	30.6	27.1	.131	9 P. M.:	78.	SW.	..	..	..	Clear.
	20 25	4.6	769.00	30.250	28.5	26.	.136	(D. 17.)	80.	SW.	..	..	6	Ci., Ci-cu. in W.
	22 25	4.2	768.65	30.240	28.5	26.	.136	(A. 28.5)	81.3	SSW.	..	..	..	Light S. in Hor., hazy.

* Snow of 5th and 6th not properly noted. Amount recorded at the Pennsylvania Hospital, 2.0 inches of water. Rain of 31st, also lost, recorded at Hospital, .22 inches.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
3	0	25	4.	768.00	30.214	26.9	25.4	.142	3 A. M.:	87.	SSW.	..	..	..	Light clouds in Hor.
	2	25	3.5	768.16	30.222	26.4	25.5	.149	(D. 24.1)	94.1	S. by W.	..	..	..	Light clouds in Hor.
	4	25	2.9	767.40	30.196	25 8	25.	.147	(A. 25.7)	94.	S. by W.	..	..	1	Cu., Cu-s.
	6	25	3.1	767.45	30.197	26.5	26.	.156	9 A. M.:	95.5	S. by W.	..	..	8	Cu., Ci-cu., Cu-s.
	8	25	3.	768.30	30.231	28.3	27.4	.160	(D. 27.)	93.	S. by W.	..	..	..	Very light cloud in Hor.
	10	25	4.4	768.75	30.242	37.3	34.	.176	(A. 34.5)	86.	W. by N.	..	..	..	Very light cloud in Hor.
	12	25	5.5	767.50	30.187	42.5	38.	.195	3 P. M.:	74.	NW. by N.	..	..	7	Ci., Ci-s., Cu-s.
	14	25	6.9	767.40	30.177	45.	38.5	.177	(D. 26.8)	69.5	N. by E.	..	..	7	Ci., Ci-s., Cu-s.
	16	25	8.	768.15	30.201	43.1	36.6	.161	(A. 45.5)	69.	N. by E.	..	..	3	Ci., Ci-s.
	18	25	8.9	769.45	30.248	38 5	33.5	.153	.....	73.	N. by E.	..	..	3	Ci., Ci-s.
	20	25	8.	769.90	30.270	36.1	31.8	.154	.....	71.	N. by E.	..	..	..	Clear.
	22	25	7.2	771.10	30.311	35.5	31.2	.150	.....	76.	N. by E.	..	..	..	Clear.
4	0	25	6.7	771.25	30.329	33.7	30.	.148	3 A. M.:	78.	NE.	..	..	..	Clear.
	2	25	6.	772.05	30.363	31.5	28.	.137	(D. 20.)	79.	NE.	..	..	..	Clear.
	4	25	6.2	772.25	30.371	30.	26.	.120	(A. 31.1)	77.1	NE.	..	..	..	Clear.
	6	25	4.4	773.15	30.415	26.8	23.5	.114	.....	79.	ENE.	..	..	8	N., Ci-cu., S., Ci-s.
	8	25	3.3	774.15	30.459	26.3	23.7	.122	.....	75.	ENE.	1	..	8	Ci-cu., S., Ci-s.
	10	25	3.4	774.00	30.453	26.1	22.6	.106	.....	71.	NE.	1	..	8	N., Ci-s.
	12	25	3.	773.55	30.437	27.	21.6	.082	.....	66.5	NE.	1	..	8	N.
	14	25	2.4	772.80	30.410	27.	21.6	.082	.....	68.	ENE.	1	..	8	N.
	16	25	1.7	772.40	30.398	25.1	22.1	.109	.....	74.5	ENE.	1	..	8	N., snowing.
	18	25	1.1	772.20	30.393	23.	22.3	.133	9 P. M.:	86.3	ENE.	1	..	8	N., snowing.
	20	25	1.	771.50	30.367	22.	21.6	.133	(D. 19.1)	93.	NE.	1	..	8	N., snowing.
	22	25	0.7	771.00	30.348	20.3	20.	.126	(A. 22.)	92.	NNE.	2	..	8	N., snowing.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
5	0	25	0.2	769.65	30.298	19.	18.6	.119	3 A. M.:	92.	NNE.	1	..	8	N., snowing fast.
	2	25	—0.2	769.40	30.290	18.7	18.5	.120	(D. 17.5)	93.	NNE.	2	..	8	N., snowing fast.
	4	25	—1.	768.90	30.275	19.5	19.4	.125	(A. 19.3)	92.	NNE.	2	..	8	N., snowing fast.
	6	25	—1.2	768.65	30.265	19.5	19.2	.122	9 A. M.:	92.	NNE	2	..	8	N., snowing fast.
	8	25	—1.5	768.70	30.269	21.6	20.6	.122	(D. 15.4)	88.	NE.	2	..	8	N., snowing fast.
	10	25	—1.5	768.75	30.271	24.2	22.8	.129	(A. 22.7)	84.	NE.	3	..	8	N., snowing fast.
	12	25	—0.5	767.75	30.226	25.6	24.	.133	.....	80.5	NE.	3	..	8	N., snowing fast.
	14	25	—0.5	767.45	30.214	25.6	24.3	.138	.....	78.	NE.	3	..	8	N., snowing fast.
	16	25	0.0	768.10	30.238	25.5	24.	.134	.....	77.	NE.	2	..	8	N., snowing fast.
	18	25	0.0	768.40	30.250	24.5	23.	.129	9 P. M.:	75.3	NE.	3	..	8	N., ceased snowing.
	20	25	—1.	768.10	30.243	23.1	20.1	.099	(D. 17.6)	75.	ENE.	2	..	8	N.
	22	25	—1.3	768.05	30.242	21.9	19.5	.102	(A. 22.3)	73.1	ENE.	2	..	8	N.
7	0	25	—1.1	762.60	30.026	25.9	24.5	.138	3 A. M.:	86.	NW.	..	..	..	Ci-cu., Ci-s.
	2	25	—1.3	763.80	30.074	22.4	21.	.120	(D. 18.3)	84.	NW.	..	..	1	S., Ci-s.
	4	25	—1.6	765.25	30.133	23.	21.5	.122	(A. 21.)	81.9	NW.	..	..	8	N.
	6	25	—1.6	765.85	30.157	21.6	20.9	.127	9 A. M.:	81.9	NW.	..	..	8	N.
	8	25	—1.5	767.20	30.209	21.7	19.9	.111	(D. 17.5)	80.	NW.	..	..	4	Ci., Ci-cu., Cu s.
	10	25	—1.3	768.00	30.240	23.3	21.3	.116	(A. 22.4)	79.	NW.	..	..	..	Clear.
	12	25	0.8	768.15	30.236	25.8	23.8	.128	3 P. M.:	77.	NW.	..	..	..	Light Ci.
	14	25	1.7	768.25	30.235	28.1	24.9	.121	(D. 15.4)	75.5	NW.	..	..	..	Light Ci. in *S.*
	16	25	1.9	769.00	30.263	26.6	24.2	.126	(A. 28.4)	75.	NW.	..	..	..	Hazy.
	18	25	1.8	769.55	30.286	22.5	21.1	.121	9 P. M.:	84.7	NW.	..	..	..	Clear.
	20	25	0.9	769.65	30.295	18.	17.5	.113	(D. 11.9)	90.	NW.	..	..	1	Ci-s.
	22	25	0.2	769.35	30.286	15.7	15.5	.107	(A. 17.)	96.	NW.	..	..	1	Ci-s.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
8	0 25	0.0	768.80	30.266	16.4	16.	.108	3 A. M.:	94.	NW.	..	..	..	Clear.
	2 25	—2.	768.85	30.277	13.8	13.8	.103	(D. 10.8)	94.3	NW.	..	..	..	Clear.
	4 25	—1.4	768.75	30.271	16.3	16.	.109	(A. 16.2)	93.	NW.	..	..	..	Ci-s. in *W.*
	6 25	—2.	767.75	30.233	13.	13.	.100	9 A. M.:	94.	N. by W.	..	..	1	Ci.
	8 25	—2.5	767.50	30.225	16.	16.	.112	(D. 11.9)	94.	N. by W.	..	..	6	Ci., Ci-cu., S. from *W.*
	10 25	—2.	767.10	30.207	21.6	20.6	.122	(A. 15.6)	90.5	N. by W.	..	..	1	Ci.
	12 25	—0.5	765.70	30.145	29.5	27.5	.150	3 P. M.:	85.	N. by W.	..	..	8	N.
	14 25	0.4	764.25	30.084	31.6	29.8	.166	(D. 24.5)	86.5	SW.	..	..	8	N.
	16 25	1.3	764.30	30.081	31.8	31.6	.194	(A. 31.8)	88.	W.	..	..	8	N.
	18 25	2.2	764.55	30.087	32.2	31.4	.187	9 P. M.:	92.2	W. by S.	..	..	8	N.
	20 25	3.	764.40	30.077	32.4	31.5	.187	(D. 28.7)	91.5	W. by S.	..	..	8	N.
	22 25	2.7	764.00	30.062	31.6	31.1	.188	(A. 32.2)	93.	W. by S.	..	..	8	N.
9	0 25	3.1	763.60	30 044	29.6	29.4	.180	3 A. M.:	95.8	W.	..	..	8	N.
	2 25	3.	763 15	30.027	30.	29.9	.184	(D. 29.)	96.	W.	..	..	8	N.
	4 25	3.	762.85	30.016	29.5	29.4	.181	(A. 29.9)	95.	W.	..	..	8	N. and fog.
	6 25	3.4	763.30	30.031	30.	29.	.169	9 A. M.:	95.	W.	..	..	..	N. and dense fog.
	8 25	3.	763.30	30.033	29.9	29.8	.183	(D. 30.)	94.5	W.	..	..	..	N. and dense fog.
	10 25	3.4	763.10	30.023	33.	31.6	.182	(A. 31.3)	93.	SSW.	..	..	..	N. and dense fog.
	12 25	4.5	762.25	29.985	35.2	33.5	.191	3 P. M.:	91.	SSW.	..	..	..	N. and dense fog.
	14 25	5.	761.40	29.949	34.	33.2	.199	(D. 31.3)	92.	SSW.	..	..	..	N. and dense fog.
	16 25	5.5	761.30	29.943	32.	31.6	.192	(A. 33.3)	92.	SSW.	..	..	..	N. and dense fog.
	18 25	5.8	760.80	29.923	30.	*	....	.....	92.	SSW.	..	..	..	N. and dense fog.
	20 25	5.	760.00	29.894	27.2	*	....	.....	92.	SSW.	..	..	..	N. and dense fog.
	22 25	4.5	759.90	29 893	26.4	* 26.5	....	.....	93.	SSW.	..	..	..	N. and dense fog.

* Wet bulb higher than dry in these three observations, wet bulb being coated with a very thick coating of ice.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
10	0	25	3.	759.55	29.886	26.3	* 26.5	....	3 A. M.:	94.8	SW.	..	..	..	N. and fog.
	2	25	3.4	758.80	29.855	27.	26.7	.162	(D. 27.1)	94.6	SW.	..	..	..	N. and fog.
	4	25	3.5	758.25	29.832	30.5	30.	.181	(A. 28.1)	95.	SW.	..	.02	..	N. and fog, raining.
	6	25	3.5	757.85	29.817	29.	28.9	.177	9 A. M.:	94.	SW.	..	..	1	C., Ci-cu., N.
	8	25	3.4	758.10	29.827	31.5	31.	.187	(D. 31.2)	92.5	SW.	..	..	8	Ci-cu., N., foggy.
	10	25	4.	758.20	29.829	34.9	34.	.204	(A. 33.3)	91.	SW.	..	..	3	Ci., Ci-cu.
	12	25	5.2	757.60	29.800	38.8	37.	.218	3 P. M.:	87.5	SW.	..	..	8	Ci-cu., N.
	14	25	6.2	757.60	29.795	41.2	39.	.230	(D. 35.7)	84.	SW.	..	..	5	Ci., Ci-cu.
	16	25	6.8	758.45	29.825	45.6	42.5	.253	(A. 46.2)	87.8	NW.	..	..	4	Ci., Cu.
	18	25	7.2	759.25	29.854	42.3	42.2	.284	9 P. M.:	89.5	NW.	..	..	4	Ci.
	20	25	7.	760.30	29.898	40.	....	....	(D. 32.8)	89.8	NW.	..	..	..	Clear.
	22	25	6.7	761.30	29.938	36.1	....	....	(A. 42.5)	89.8	NW.	..	..	..	Clear.
11	0	25	4.2	762.65	30.003	30.	29.5	.177	3 A. M.:	92.6	NW. by N.	..	..	..	Clear.
	2	25	5.2	763.90	30.046	31.4	29.5	.163	(D. 28.2)	85.2	NNW.	..	..	..	Clear.
	4	25	4.5	764.40	30.070	29.	27.5	.155	(A. 31.7)	85.4	NNW.	..	..	..	Clear.
	6	25	4.	765.45	30.114	26.3	24.5	.134	9 A. M.:	85.2	NNW.	..	..	..	Clear.
	8	25	3.	766.40	30.156	29.1	26.6	.139	(D. 27.)	82.	NNW.	..	..	..	Clear.
	10	25	4.3	767.40	30.190	34.	30.5	.153	(A. 32.8)	77.5	NNW.	..	..	..	Clear.
	12	25	5.3	767.00	30.168	37.5	33.	.156	3 P. M.:	74.5	NNW.	..	..	..	Clear.
	14	25	6.3	766.90	30.160	38.8	33.8	.155	(D. 26.)	72.5	NW.	..	..	..	Clear.
	16	25	7.	767.85	30.195	36.4	32.6	.161	(A. 39.)	74.	W.	..	..	1	Thin Ci., hazy in Hor.
	18	25	6.8	768.50	30.221	31.1	28.9	.156	9 P. M.:	81.5	W.	..	..	..	Clear.
	20	25	5.8	768.00	30.206	23.5	....	....	(D. 19.5)	92.	W.	..	..	1	Very light Ci.
	22	25	4.3	768.30	30.226	24.0	23.5	.142	(A. 22.8)	88.5	W.	..	..	2	Ci., Ci cu.

* Wet bulb higher than dry in this observation, wet bulb being coated with a very thick coating of ice.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
12	0 25	3.7	767.85	30.210	21.4	21.2	.133	3 A. M.:	90.	WNW.	..	..	..	Clear.
	2 25	2.9	768.10	30.224	20.5	20.4	.130	(D. 19.6)	90.2	NW.by W.	..	..	7	Ci., light N.
	4 25	2.	767.95	30.222	18.9	18.9	.124	(A. 20.5)	95.5	NW.by W.	..	..	6	N., Ci-cu., Ci-s.
	6 25	1.3	767.40	30.203	19.	19.	.125	9 A. M.:	94.	NW.by W.	..	..	8	N., Ci-cu., Ci-s.
	8 25	1.3	766.90	30.184	25.7	24.5	.140	(D. 19.4)	88.	NNE.	..	..	8	N., Ci-cu., S.
	10 25	1.6	766.80	30.178	32.1	30.1	.166	(A. 26.2)	87.	NE.	..	..	8	N., Ci-cu.
	12 25	3.	764.30	30.073	36.8	33.5	.172	3 P. M.:	84.	NE.	..	..	6	Ci., Ci-cu.
	14 25	3.8	762.80	30.010	38.	35.3	.193	(D. 29.6)	84.5	ENE.	..	..	8	N.
	16 25	5.	761.40	29.949	38.8	37.8	.234	(A. 38.2)	92.5	ENE.	..	.05	8	N., raining.
	18 25	5.	759.45	29.872	39.5	39.5	.260	9 P. M.:	93.5	ENE.	1	.03	8	N., raining.
	20 25	5.3	757.05	29.777	41.5	41.	.268	(D. 33.5)	93.	ENE.	1	.15	8	N., raining.
	22 25	6.	754.90	29.690	43.	42.7	.287	(A. 40.5)	93.	ENE.	..	.06	8	N., raining.
14	0 25	9.1	755.00	29.677	40.9	37.1	.196	3 A. M.:	82.9	NW.	..	..	8	Cu., Ci-cu. from *NW.*
	2 25	8.4	755.45	29.699	36.5	34.5	.195	(D. 34.)	86.	NW.	..	..	6	Cu., Ci-cu. from *NW.*
	4 25	7.8	755.00	29.684	34.9	33.9	.202	(A. 36.2)	88.9	NW.	..	..	4	Ci., Ci-s.
	6 25	7.4	755.35	29.700	34.9	33.9	.202	9 A. M.:	87.9	NW.	..	..	3	Ci., Ci-s, and S.
	8 25	8.	756.00	29.722	37.1	34.3	.184	(D. 30.6)	85.5	NW.	..	..	1	Ci., Ci-cu.
	10 25	8.	756.20	29.730	40.	36.5	.194	(A. 39.5)	83.	WNW.	..	..	..	Light Ci. in *S.*
	12 25	8.8	755.15	29.685	41.6	37.	.186	3 P. M.:	79.	W.	..	..	..	Clear.
	14 25	10.	754.60	29.658	43.5	38.3	.190	(D. 31.5)	77.	W. by N.	..	..	..	Clear.
	16 25	10.2	754.70	29.661	40.4	36.9	.197	(A. 43.5)	81.5	W.	..	..	..	Clear.
	18 26	9.5	754.70	29.665	35.5	34.3	.202	9 P. M.:	90.	SW.	..	..	..	Clear.
	20 25	8.7	754.45	29.657	33.3	32.3	.190	(D. 32.)	92.3	SW.	..	..	..	Clear.
	22 25	8.	754.60	29.668	32.5	31.5	.186	(A. 33.5)	92.	SW.	..	..	..	Clear.

Date. Day.	Hour.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Therm'rs, Fah. Dry.	Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Force, lbs.	Rain, inches.	Sky covered, 8ths.	Clouds, &c.
	h. m.													
15	0 25	7.3	754.85	29.682	31.	30.5	.184	3 A. M.:	94.8	SW.	..	..	..	Clear.
	2 25	6.4	755.25	29.701	29.5	....	....	(D. 30.)	96.1	SW.	..	..	..	
	4 25	5.8	754.65	29.681	30.1	....	....	(A. 30.1)	94.8	SW.	..	..	..	
	6 25	5.2	755.05	29.698	28.5	....	....	9 A. M.:	95.	SW.	..	..	1	Ci-s.
	8 25	5.	755.10	29.701	31.1	30.8	.188	(D. 31.3)	94.	SW.	..	..	..	Ci., foggy.
	10 25	5.5	755.35	29.709	36.7	32.1	.149	(A. 32.)	92.5	SW. by S.	..	..	3	Ci. from *W.*
	12 25	7.	754.20	29.658	43.2	40.6	.141	3 P. M.:	85.	SSW.	..	..	1	Ci., Cu-s. in *NW.*
	14 25	8.	753.00	29 604	46.2	43.	.257	(D. 36.6)	83.	SSW.	..	..	5	Ci., Ci-cu., Cu-s.
	16 25	8 7	753.10	29.605	46.	42.8	.255	(A. 46.5)	84.	S.	..	..	7	Ci., Ci-cu., Cu s.
	18 25	9.	752.30	29.572	44.	41.4	.249	9 P. M.:	86.	SSW.	..	..	5	Ci-cu.
	20 25	9.	752.20	29.568	43.5	40.8	.242	(D. 37.)	86.	SSW.	..	..	3	Ci., Cu-s.
	22 25	9.	752.00	29.560	43.6	40.9	.243	(A. 44.5)	84.	SW.	..	..	½	Few clouds in Hor.
16	0 25	9.	752.10	29.564	43.9	41.	.242	3 A. M.:	83.	SW.	..	..	1	Ci-cu. in Hor.
	2 25	9.	753.85	29.633	45.2	41.7	.242	(D. 38.9)	83.	NNW.	..	..	3	N., Ci-cu., Cu.
	4 25	9.	754.00	29.639	40.5	39.	.238	(A. 42.7)	90.9	SW.	..	..	8	N.
	6 25	8.9	754.40	29.656	40.	38.5	.234	9 A. M.:	89.9	SW.	..	..	1	N., Cu-s. around Hor.
	8 25	8.7	754.50	29 661	38.7	37.5	.229	(D. 35.6)	89.	SW.	..	..	8	N., Ci-cu., Cu-s.
	10 25	8.	755.40	29.699	40.7	38.1	.218	(A. 40.)	83.5	SW.	..	.04	8	N., raining.
	12 25	7.4	753.60	29.631	38.	36.5	.217	3 P. M.:	91.	N. by E.	..	..	8	N., Ci-cu.
	14 25	7.5	753.00	29.607	33.4	33.	.203	(D. 29.6)	92.	N. by E.	..	..	8	N., snowing.
	16 25	7.	752.50	29.591	32.8	32.6	.202	(A. 33.)	92.	N. by E.	..	..	8	N., snowing.
	18 25	7.	752.45	29.589	33.1	31.8	.185	9 P. M.:	94.	NW.byN.	..	..	8	N., snowing.
	20 25	6.6	753.10	29.615	34.1	32.8	.191	(D. 29.4)	89.5	NW.byW.	..	..	4	Clouds dispersing.
	22 25	6.	754.20	29.662	33.2	30.7	.165	(A. 33.7)	83.	NW.byW.	..	..	..	Few clouds in *E.*

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
17	0 25	5.6	754.20	29.664	31.	29.1	.161	3 A. M.:	78.3	W.	..	..	..	Clear.
	2 25	5.	754.60	29.683	28.3	26 5	.146	(D. 29.)	85.	W.	..	..	3	Ci , Ci-cu.
	4 25	4.6	754.75	29.691	29.5	....	....	(A. 29.5)	81.	W.	..	..	8	N., Ci., Ci-cu.
	6 25	4.	755.60	29.727	27.9	26.5	.150	9 A. M.:	78.9	WNW.	..	..	1	N.
	8 25	3.8	756.50	29.763	26.6	25.	.139	(D. 20.)	79.	W. by N.	..	..	..	Clear.
	10 25	4.	757.20	29.790	30.	26.7	.132	(A. 28.8)	72.	WSW.	1	..	..	Ci-cu. in Hor.
	12 25	4.5	756.15	29.746	32.2	28.6	.141	3 P. M.:	70.	WSW.	2	..	½	Cu., Ci-cu.
	14 25	5.	756.60	29.761	31.1	28.8	.155	(D. 19.6)	75.5	WSW.	2	..	4	Ci-cu., Cu.
	16 25	4.4	757.15	29.785	28.7	27.	.150	(A. 30.5)	85.	W.	3	..	8	N., snowing.
	18 25	4.2	758.70	29.848	28.2	24.1	.109	9 P. M.:	71.	W. by N.	..	..	1	Cu., Cu-s. in *SW.*
	20 25	3.4	759.20	29.870	23.8	21.3	.111	(D. 19.)	79.5	W. by N.	..	..	..	Clear.
	22 25	2.2	760.15	29.914	22.9	20.9	.114	(A. 23.)	77.5	W. by N.	..	..	..	Clear, few clouds in *W.*
18	0 25	1.7	760.35	29.924	22.8	19.2	.089	3 A. M.:	77.8	W. by N.	..	..	..	Clear.
	2 25	1.	760.55	29.936	20.	18.5	.107	(D. 19.1)	77.	W. by N.	..	..	..	Clear.
	4 25	0.3	760.20	29.926	19.9	18.4	.107	(A. 19.6)	74.1	W. by N.	..	..	3	Cu., Ci., Ci-s.
	6 25	0.0	760.50	29.939	21.5	20.1	.131	.....	72.	W. by N.	..	..	8	N., Cu.
	8 25	—0.3	760.75	29.950	22.5	21.5	.127	.....	71.5	W. by N.	..	..	6	Ci., Ci-cu., Cu-s.
	10 25	0.0	761.40	29.974	23.6	20.	.093	.....	69.	W. by N.	1	..	3	Ci., Ci-cu., Cu-s.
	12 25	0.5	761.00	29.955	24.	21.3	.109	3 P. M.:	66.	W. by N.	2	..	6	Cu., Ci-cu.
	14 25	1.	761.10	29.956	23.	19.4	.090	(D. 10.6)	68.	W. by N.	3	..	4	Ci., Cu., Ci-cu.
	16 25	0.9	762.00	29.993	21.2	18.5	.095	(A. 23.)	70.	W. by N.	1	..	½	Ci-cu., Ci-s. in Hor.
	18 25	0.0	762.05	29.999	18.	16.5	.099	9 P. M.:	71.	W. by N.	..	..	..	Clear.
	20 25	—0.8	763.50	30.060	17.5	15.	.082	(D. 14.)	71.	W. by N.	..	..	..	Clear.
	22 25	—1.4	763.80	30.075	17.	16.5	.109	(A. 17.)	70.	W. by N.	..	..	..	Clear.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
19	0	25	—2.3	763.80	30.078	15.7	14.5	.093	3 A. M.:	75.2	W.	..	..	..	Clear.
	2	25	—3.	764.20	30.098	16.	15.	.097	(D. 16.1)	79.	W.	..	..	8	Overcast.
	4	25	—3.8	764.10	30.098	17.	16.	.102	(A. 16.6)	79.1	W.	..	..	8	Cu., Cu-s.
	6	25	—3.4	764.55	30.114	16.5	16.	.107	9 A. M.:	76.1	W.	..	..	..	Clear.
	8	25	—3.5	764.70	30.121	16.3	15.4	.100	(D. 11.)	77.	WSW.	..	..	..	Clear.
	10	25	—2.	765.40	30.140	20.	17.6	.094	(A. 19.8)	74.	W.	1	..	..	Ci cu., Cu-s. in Hor.
	12	25	—1.2	764.40	30.097	24.	21.	.104	3 P. M.:	72.5	W.	1	..	6	Ci., Cu., Ci cu.
	14	25	—0.8	764.00	30.080	24.9	22.9	.124	(D. 13.7)	70.	WNW.	2	..	4	Cu., Ci-cu.
	16	25	—0.6	764.25	30.088	23.4	20.2	.098	(A. 25.)	73.	WNW.	1	..	1	Cu., Cu-s.
	18	25	—1.5	764.55	30.105	21.	19.5	.112	9 P. M.:	74.	WNW.	..	..	..	Clear.
	20	25	—1.6	765.20	30.133	19.7	17.3	.093	(D. 16.5)	74.5	W. by N.	..	..	..	Clear.
	22	25	—2.2	765.90	30.161	17.2	15.8	.097	(A. 18.8)	76.	W. by N.	..	..	..	Clear.
21	0	25	—1.	763.85	30.075	21.4	21.1	.132	3 A. M.:	90.	W.	1	..	8	N., snowing.
	2	25	—1.3	764.20	30.091	20.2	20.	.127	(D. 18.7)	86.3	W.	..	..	3	S., N.
	4	25	—1.8	763.80	30.076	18.6	18.	.114	(A. 19.)	83.8	W.	..	..	..	Clear.
	6	25	—2.2	764.90	30.122	20.6	20.	.123	9 A. M.:	81.1	W.	..	..	..	Clear.
	8	25	—2.	765.70	30.152	23.2	20.8	.109	(D. 17.)	78.5	W.	1	..	..	Clear.
	10	25	—0.6	766.15	30.163	27.	24.	.119	(A. 25.8)	74.5	W.	1	..	..	Ci., Ci-s. in *W.* Hor.
	12	25	0.6	765.20	30.120	29.	26.	.131	3. P. M.	70.5	W. by N.	1	..	2	Ci., Cu., Ci cu. from *N.*
	14	25	1.2	765.40	30.125	29.5	26.5	.134	(D. 19.8)	70.	W. by N.	2	..	1	Ci-cu., Cu.
	16	25	1.3	765.40	30.124	28.2	24.7	.117	(A. 29.5)	71.	W. by N.	..	..	1	Ci., Cu-s.
	18	25	1.3	765.70	30.136	26.2	23.4	.118	9 P. M.:	74.	WSW.	..	..	1	Ci-cu., Cu-s.
	20	25	0.7	765.80	30.143	25.3	23.2	.124	(D. 23.9)	78.8	W.	..	..	6	N.?
	22	25	0.8	764.65	30.097	25.3	24.2	.140	(A. 26.)	86.5	SW.	..	..	2	Clouds in Hor.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
22	0	25	0.3	763.25	30.045	26.2	24.8	.140	3 A. M.:	85.	SW.	..	..	..	Clear.
	2	25	0.2	762.20	30.004	27.	25.6	.144	(D. 26.2)	87.2	SSW.	..	..	8	Overcast.
	4	25	0.2	759.90	29.914	27.5	25.5	.138	(A. 27.)	84.	S.	..	..	8	Overcast.
	6	25	0.1	757.85	29.835	29.8	27.2	.142	9 A. M.:	80.6	SSW.	..	..	8	Overcast.
	8	25	0.4	756.80	29.791	31.	29.	.159	(D. 24.)	81.	SW.	..	..	8	Overcast, N.
	10	25	1.	756.00	29.756	33.	30.5	.164	(A. 32.)	83.	SW.by S.	1	..	8	Ci-cu., N.
	12	25	2.2	753.60	29.656	36.3	31.9	.155	3 P. M.:	79.5	SW.by S.	2	..	5	Ci., Ci-cu., Cu. from *NW.*
	14	25	2.9	753.00	29.629	38.2	34.2	.170	(D. 26.8)	79.	SW by S.	2	..	8	N., Ci-cu.
	16	25	3.7	755.00	29.704	37.1	31.8	.145	(A. 37.7)	61.5	W. by N.	6	..	2	Cu., Ci-cu., Cu-s.
	18	25	3.2	756.30	29.756	34.5	30.	.141	9 P. M.:	66.8	W. by N.	3	..	3	Cu.
	20	25	3.	757.45	29.804	31.5	28.7	.149	(D. 23.3)	65.3	W. by N.	3	..	4	Ci-cu.
	22	25	2.	758.00	29.830	30.2	25.1	.105	(A. 31.4)	65.	WNW.	5	..	..	Clear, except few clouds in Hor.
23	0	25	1.2	759.40	29.889	26.3	23.	.111	3 A. M.:	69.	NW.	6	..	1	Cu., Ci-cu. in Hor.
	2	25	0.4	761.25	29.967	25.9	23.2	.118	(D. 24.1)	70.	NW.	2	..	1	Cu.
	4	25	—0.2	762.15	30.004	25.8	21.9	.100	(A. 26.)	69.3	NW.	2	..	..	Clear.
	6	25	—0.8	764.20	30.088	23.7	21.7	.118	.....	69.9	NW.	1	..	..	Clear.
	8	25	—1.	765.40	30.136	22.3	18.6	.086	.....	66.	NW.	1	..	..	Clear.
	10	25	—0.7	766.00	30.158	24.	20.4	.095	.....	67.5	NW.	1	..	..	Clear.
	12	25	0.0	764.80	30.108	26.4	23.4	.116	3 P. M.:	68.5	NW.	1	..	..	Clear.
	14	25	1.	763.65	30.057	28.5	26.7	.147	(D. 14.8)	69.	W.	..	..	..	Ci-cu., Cu-s. in Hor.
	16	25	1.8	762.80	30.020	27.5	24.	.114	(A. 28.7)	70.	WSW.	..	..	7	S., Ci., Ci-s., Cu.
	18	25	1.7	761.20	29.957	23.7	22.	.122	.....	79.	SSW.	..	..	..	Ci-s.
	20	25	1.	760.00	29.914	24.	22.4	.125	.....	80.	SSW.	..	..	..	Some Ci., Ci-s.
	22	25	0.9	757.30	29.809	27.5	24.1	.116	.....	76.	SSW.	2	..	..	Clear.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
24	0 25	1.	756.20	29.764	28.7	25.8	.131	3 A. M.:	76.	SW.	..	..	1	Ci., Ci-s., Ci-cu., hazy.
	2 25	1.	756.40	29.772	29.7	27.5	.148	(D. 21.9)	72.8	WSW.	1	..	8	Overcast, N.
	4 25	0.9	755.95	29.756	28.9	25.	.116	(A. 29.1)	71.9	WSW.	..	..	2	N.
	6 25	0.8	756.65	29.783	28.3	26.	.138	9 A. M.:	71.8	WSW.	..	..	3	Cu.
	8 25	1.5	757.55	29.816	30.2	29.2	.170	(D. 19.8)	70.5	WSW.	..	..	..	
	10 25	1.6	758.60	29.856	33.	28.5	.131	(A. 33.2)	70.7	W.	..	..	7	Cu., Ci-cu. from *NW.*
	12 25	2.8	757.90	29.823	34.4	30.	.142	3 P. M.:	72.5	W.	..	..	7	Ci-cu., Cu. from *WNW.*
	14 25	4.	758.00	29.821	34.5	31.5	.166	(D. 22.)	73.	W.	..	..	6	Ci-cu., Cu. from *WNW.*
	16 25	4.	759.00	29.860	33.	29.3	.144	(A. 34.3)	71.	WNW.	1	..	6	Cu., Ci-cu.
	18 25	3.2	759.85	29.896	29.5	25.5	.118	9 P. M.:	70.	WNW.	1	..	2	Cu-s.
	20 25	2.3	760.55	29.930	26.5	23.	.109	(D. 21.8)	75.	NW.	..	..	1	Cu-s.
	22 25	1.5	761.60	29.974	20.8	18.8	.104	(A. 26.)	74.	N.	..	..	..	Clear.
25	0 25	0.4	762.05	29.997	17.	15.	.087	3 A. M :	72.9	N.	1	..	..	Clear.
	2 25	—0.8	763.30	30 052	15.1	13.4	.084	(D. 8.8)	74.2	NW.	..	..	..	Clear.
	4 25	—1.8	763.10	30.048	12.1	11.1	.083	(A. 13.7)	77.9	NNW.	..	..	..	Clear.
	6 25	—2.7	763.30	30.060	11.	10.5	.086	.....	80.4	NW.	..	..	1	S., Cu-s.
	8 25	—2.7	764.00	30.088	14.2	12.7	.084	.....	77.5	NW.	..	..	1	Ci., Cu-s., S.
	10 25	—2.4	764.50	30.107	17.9	15.6	.087	.....	73.	NW.	..	..	7	Ci., Cu-s., S.
	12 25	—1.7	762.80	30.037	19.4	16.2	.080	3 P. M.:	71.	NW.	..	..	8	Ci., Ci-cu., N.
	14 25	—1.2	762.00	30.003	20.	16.5	.079	(D. 16.5)	71.	NW.	..	..	4	Ci., Ci-cu., Cu-s.
	16 25	—1.	760.95	29.962	18.5	16.	.087	(A. 20.5)	72.5	WNW.	..	..	2	Ci., Ci-s., Cu-s.
	18 25	—1.3	760.50	29.945	15.4	13.6	.084	.....	74.5	WNW.	..	..	..	S. (?) in *SW.*
	20 25	—1.7	759.60	29.911	19.5	16.8	.088	.....	73.	E.	..	..	8	N., (?) overcast.
	22 25	—2.2	760.00	29.929	18.9	17.5	.104	.....	78.5	SE.	..	..	8	N., (?) overcast.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
26	0	25	—2 7	758.70	29.880	17.5	17.3	.115	3 A. M.:	91.4	SE.	..	..	8	Overcast, snowing.
	2	25	—2.9	757.25	29.824	18.5	18.5	.122	(D. 17.9)	92.9	SE.	..	..	8	Overcast, snowing.
	4	25	—3.	754.85	29.731	18.5	18.5	.122	(A. 18.6)	92.2	E.	..	..	8	Overcast, snowing.
	6	25	—3.	752.50	29.638	21.1	21.1	.135	9 A. M.:	94.4	E.	..	..	8	Overcast, snowing.
	8	25	—2.6	751.00	29.576	26.4	26.4	.163	(D. 25.6)	91.5	E.	..	..	8	Overcast, snowing.
	10	25	—1.8	749.40	29.509	36.	33.5	.182	(A. 27.7)	89.	S.	2	..	8	Overcast, raining.
	12	25	—0.4	746.00	29.368	39.1	36.9	.213	3 P. M.:	84.	S.	3	..	8	Overcast, raining.
	14	25	0.7	745.00	29.324	36.2	35.5	.218	(D. 28.6)	93.	†	..	..	8	Overcast, raining.
	16	25	1.5	744.80	29.312	34.1	33.9	.211	(A. 35.5)	92.	.....	..	‡.29	8	Overcast, raining.
	18	25	2.	745.20	29.326	32.8	32.6	.202	9 P. M.:	93.	.....	..	..	..	Clouds in Hor.
	20	25	2.	746.10	29.361	31.8	31.6	.194	(D. 30.)	92.	.....	..	..	..	Hazy and cloudy in Hor.
	22	25	2.	746.60	29.381	29.5	*	....	(A. 31.2)	92.	.....	..	..	..	Clear.
28	0	25	—2.8	756.40	29.790	20.3	18.5	.104	3 A. M.:	78.2	NNW.	8	..	1	Very light clouds.
	2	25	—3.3	757.55	29.839	20.1	18.4	.105	(D. 17.5)	77.2	NNW.	7	..	..	Clear.
	4	25	—3.6	758.95	29.895	19.8	18.5	.109	(A. 20.)	78.3	NNW.	4	..	..	Clear.
	6	25	—3.7	760.00	29.936	19.8	18.4	.108	.....	80.	NNW.	2	..	..	Clear.
	8	25	—3.5	761.70	30.003	20.6	18.8	.106	.....	79.	NW.	1	..	..	Clear.
	10	25	—2.6	762.90	30.015	23.3	21.	.111	.....	75.5	WNW.	1	..	..	Few Cu-s. in *NW.*
	12	25	—0.4	762.10	30.002	26.5	23.5	.117	3 P. M.:	73.	W.	1	..	..	Very little Ci-cu. in *N.*
	14	25	0.7	761.50	29.974	28.6	26.5	.143	(D. 17.2)	71.5	W.	5	..	1	Ci-cu. in *N.*
	16	25	1.3	761.35	29.965	28.	24.	.109	(A. 28.7)	71.	W.	1	..	..	Cu-s. in *N.*
	18	25	1.	762.20	29.999	26 5	23.3	.114	.....	73.5	W.	3	..	..	Clear.
	20	25	....	.....	.....	....	....	....	.....	....	.....	..	..	..	
	§23	25	—0.2	763.20	30.043	26.	24.	.129	.....	75.5	WNW.	4	..	1	Ci-cu.

* This is recorded 31.6 wet bulb, there being a thick coating of ice on the bulb.
† Vane broke down.
‡ Rain about .25, snow .04 inches—rain and melted snow.
§ Taken 1 hour late.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
29	0 25	—0.3	763.35	30.051	24.	23.	.134	3 A. M.:	84.3	N.	2	..	1	Ci-cu., S.
	2 25	—0.8	763.55	30.062	23.2	22.1	.129	(D. 18.3)	86.2	N.	1	..	½	Cu.
	4 25	—1.1	763.40	30.057	22.8	22.	.131	(A. 23.)	88.7	N.	1	..	8	Cu., N.
	6 25	—1.2	763.90	30.078	23.5	23.4	.145	*10 A. M.:	90.9	N.	..	..	8	Cu., N.
	8 25	—1..	764.40	30.097	24.2	23.7	.143	(D. 20.6)	91.	W.	..	..	4	Ci., S.
	10 25	0.3	765.25	30.124	32.4	29.6	.155	(A. 32.4)	82.	W.	2	..	6	Ci., Ci-cu.
	12 25	2.3	764.00	30.065	34.6	31.	.156	3 P. M.:	78.	W.	..	..	8	N., Ci-cu.
	14 25	3.5	764.15	30.064	35.6	32.	.163	(D. 22.7)	77.2	W.	..	..	..	
	16 25	4.	764.40	30.073	34.5	31.5	.166	(A. 26.)	80.2	W.	1	..	8	N., Ci., Cu-s.
	18 25	4.	765.40	30.112	31.7	29.7	.164	9 P. M.:	84.	SW.	1	..	7	Ci-cu.
	20 25	5.	766.40	30.146	30.1	28.6	.162	(D. 20.3)	84.5	SW.	..	..	..	Clear.
	22 25	3.	766.00	30.140	27.4	26.6	.156	(A. 28.3)	88.	SW.	..	..	..	Clear.
30	0 25	2.3	766.25	30.154	25.4	24.9	.149	3 A. M.:	91.3	N.	1	..	½	Cu., S.
	2 25	1.7	765.85	30.140	24.5	24.1	.146	(D. 22.)	93.3	N.	..	..	2	Cu., Cu-s.
	4 25	1.8	765.45	30.124	25.9	25.4	.152	(A. 24.9)	92.4	N.	1	..	8	Cu., N.
	6 25	1.3	765.75	30.138	27.5	26.7	.157	9 A. M.:	91.8	N.	1	..	8	N.
	8 25	1.4	765.50	30.128	29.3	28.3	.165	(D. 25.3)	89.	W.	1	..	8	Cu., Cu-s., N.
	10 25	1.8	766.50	30.166	32.6	31.	.176	(A. 31.5)	75.5	W.	1	..	8	Ci-cu., N., Cu-s.
	12 25	2.4	765.75	30.133	33.4	32.	.185	3 P. M.:	83.	W.	1	..	8	Ci-cu., N., Cu-s.
	14 25	3.3	764.30	30.071	35.5	32.	.164	(D. 24.5)	80.	NW.	..	..	8	N., S., Ci-cu.
	16 25	3.8	763.80	30.049	35.	31.6	.162	(A. 35.5)	79.	NW.	..	..	8	Ci-cu., N., Cu-s.
	18 25	3.5	764.25	30.068	34.2	31.8	.172	9 P. M.:	83.	NW.	..	..	8	N.
	20 25	3.3	764.25	30.069	33.5	31.6	.177	(D. 27.5)	87.	NW.	..	..	8	N.
	22 25	3.	763.75	30.051	33.6	32.	.183	(A. 33.5)	87.5	NW.	..	..	8	N.

* One hour late.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.†	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
31	0 25	3.2	763.20	30.028	33.5	31.8	.181	3 A. M.:	89.	NW.	1	..	8	N.
	2 25	3.2	763.05	30.022	33.2	32.	.187	(D. 31.9)	91.1	NW.	2	..	8	N., raining.
	4 25	3.2	762.20	29.989	32.8	32.3	.195	(A. 33.)	91.4	NW.	2	..	8	N., raining.
	6 25	3.	762.35	29.996	32.7	32.5	.201	9 A. M.:	94.3	NW.	1	..	8	N., raining.
	8 25	3.	762.70	30.010	33.1	32.8	.202	(D. 33.)	95.	NW.	3	..	8	N., raining.
	10 25	4.	763.00	30.017	34.6	34.	.207	(A. 34.4)	94.	NW.	1	..	8	N., fog.
	12 25	4.5	762.00	29.975	37.1	36.3	.223	*4½ P. M.:	92.	NW.	..	..	8	N., fog.
	14 25	5.5	762.50	29.990	38.6	36.8	.216	(D. 31.)	87.	W.	..	..	1	Ci-cu., hazy.
	16 25	5.5	762.70	29.998	37.2	36.	.216	(A. 37.)	85.	.....	..	..	3	Ci-cu., S.
	18 25	5.	763.30	30.023	36.5	34.	.186	9 P. M.:	84.	.....	..	..	8	N., Ci-cu.
	20 25	4.4	764.00	30.054	34.7	32.2	.173	(D. 27.5)	83.5	.....	..	..	8	N., Ci-cu.
	22 25	3.5	764.70	30.086	30.8	29.1	.163	(A. 32.2)	81.	.....	..	..	8	N.?

* One hour and a half late.

† Rain not observed.

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

METEOROLOGICAL OBSERVATIONS

ON THE

MAGNETIC AND METEOROLOGICAL TERM DAYS,

FROM JUNE TO DECEMBER, 1840.

GENERAL NOTES.

The instruments are the same, and the observations and corrections are made as already stated in the general notes to the ordinary meteorological observations.

On the magnetic term days, the meteorological observations were taken at the Göttingen hours, nearly, so as to fall in their places conveniently, in reference to the term day magnetic observations.

On the meteorological term days, the observations were made at the observatory hours.

h. Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
22	29.9	764.20	30.039	84.5	71.4	.610	.....	65.5	SW. by S.	1	..	Ci., Cu. from *W*	1
23	29.9	763.55	29.913	81.6	70.9	.629	.....	67.3	SW.	..	..	Some light Ci. and Ci-s. in *SW*	..
0	29.6	763.25	29.904	79.	69.7	.620	.....	70.5	SW.	..	..	Ci., Ci-s. from *W*	1
1	28.6	763.15	29.904	75.4	68.6	.619	2*h.* 40*m.*:	75.5	SW.	..	..	S., Ci., Ci-s. from *NW*	2
2	26.9	763.10	29.910	71.6	66.4	.588	(D. 60.7)	79.	SW. by S.	..	..	S., Ci-s., Ci	4
3	26.1	763.10	29.914	69.2	65.2	.576	.....	81.	SW.	..	..	Clear	..
Means	....	.....	29.931	76.9	....	.607	.....	73.1	.....	..	..	.....	..
4	25.1	762.85	29.910	68.	65.3	.592	.....	85.	SW. by S.	..	..	S. in *SW*	..
5	23.6	762.25	29.893	67.	65.1	.598	.....	87.	SW. by S.	..	..	S. in *SW*	..
6	23.9	761.65	29.868	65.2	64.5	.599	.....	90.	SW. by S.	..	..	Cu	1
7	23.8	761.35	29.856	65.6	65.4	.623	8*h.* 40*m.*:	90.3	SW. by S.	..	..	Cu. from *S*	1
8	23.3	761.05	29.847	65.6	65.2	.615	(D. 61.6)	89.5	SW.	..	..	Cu. from *S*	2
9	23.4	760.40	29.822	67.2	66.4	.637	.....	89.5	SW.	..	..	Ci., Cu. from *SW*	3
Means	....	.....	29.866	66.4	....	.611	.....	88.5	.....	..	..	.....	..
10	23.3	761.00	29.845	67.3	66.5	.639	.....	86.4	SW. by W.	..	..	Ci-cu. from *S*	2
11	23.1	760.80	29.840	67.	66.3	.636	.....	87.3	SW. by W.	..	..	Ci	6
12	23.7	761.10	29.847	69.4	67.6	.652	.....	85.7	SW. by W.	..	..	Ci. from *S*	5
13	24.5	761.25	29.850	72.9	68.7	.650	14*h.* 40*m.*:	83.2	NW.	..	..	Ci-cu. from *E.* by *S*	1
14	25.5	761.05	29.836	76.6	70.5	.672	(D. 62.)	78.5	NW.	..	..	Ci-s., Cu	2
15	26.5	761.05	29.833	79.	70.4	.641	.....	75.	ENE.	..	..	Ci-s	1
Means	....	.....	29.842	72.	....	.648	.....	82.7	.....	..	..	.....	..
16	27.	761.05	29.829	80.1	71.	.651	.....	72.7	ENE.	..	..	Ci-cu. in *SW*	1
17	28.2	761.05	29.823	82.	72.5	.681	.....	72.	ENE.	..	..	Ci-s , Cu	1
18	29.2	760.65	29.804	83.5	73.7	.713	.....	71.7	ENE.	..	..	Ci-s., Cu	2
19	30.2	760.50	29.792	85.	73.2	.676	.....	68.5	Variable.	..	..	Cu., Ci-s	1
20	31.	760.20	29.777	87.	72.	.611	.....	62.7	E.	..	..	Cu., Ci-s	1
21	30.8	759.60	29.754	87.	74.2	.691	.....	64.7	ESE.	1	..	Cu., Ci-s	2
Means	....	.....	29.796	84.1	....	.670	.....	68.7	.....	..	..	.....	..

h. Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
22	28.9	766.65	30.041	82.9	68.	.514	.....	65.	SSW.	..	..	S., Ci-s., hazy	1
23	28.	766.25	30.030	78.	65.2	.477	.....	64.	S.	..	..	Ci., hazy from *NW.*	1
0	25.5	766.00	30.031	74.7	64.4	.490	.....	68.	S. by W.	..	..	Ci., S. from *N.*	1
1	24.2	765.90	30.034	71.5	63.6	.500	3*h.* 40*m* :	72. ?	SSW.	..	..	Ci., Ci-s., Cu-s., S	3
2	24.6	766.10	30.040	69.6	63.3	.513	(D. 56.5)	72. ?	S. by W.	..	..	Ci., Ci-s	1
3	22.	765.85	30.042	68.	62.8	.516	.....	82.	SSW.	..	..	Cu-s. in *W.*	..
Means	....	.....	30.036*	74.1	....	.502	.....	70.5	.....	..	..	.....	..
4	25.	765.90	30.030	66.2	62.8	.536	.....	86.	S.	..	..	Clear	..
5	25.	766.00	30.034	65.5	62.8	.544	.....	88.	S.	..	..	Clear	..
6	25.1	766.00	30.034	64.5	62.9	.558	.....	90.6	SW. by S.	..	..	S., Ci-s	2
7	24.4	765.65	30.023	65.5	63.9	.577	.....	91.2	SW. by S.	..	..	Ci-cu., Cu-s	8
8	24.3	765.35	30.012	65.9	64.	.576	.....	90.9	SSW.	..	..	Cu	1
9	24.2	765.30	30.010	64.6	63.	.560	.....	91.3	SSW.	..	..	Ci-s., Cu	3
Means	....	.....	30.024	65.4	....	.558	.....	89.7	.....	..	..	.....	..
10	23.9	765.20	30.007	64.4	62.9	.559	.....	91.5	SW. by S.	..	..	Ci-s., Cu	..
11	23.7	765.15	30.006	66.2	63.8	.566	.....	90.	S. by W.	1	..	Ci., Cu , Ci-cu. S., from *W.*	3
12	22.	764.65	29.995	69.2	66.5	.618	.....	88.	S. by W.	1	..	Ci., Ci-s., Ci-cu	4
13	23.	764.55	29.987	71.5	67.4	.622	.....	85.	S. by W.	1	..	Ci., Ci-cu., Cu-s	5
14	24.5	764.45	29.976	75.	69.	.637	.....	81.	SSW.	1	..	Ci-s., Ci	8
15	25.1	764.05	29.957	76.	69.5	.642	.....	80.	SSW.	1	..	Ci-s., Cu	7
Means	....	.....	29.988	70.4	....	.607	.....	85.9	.....	..	..	.....	..
16	25.5	763.40	29.928	76.5	68.2	.595	.....	81.7	SSW.	1	..	S., Ci-s	8
17	25.9	763.00	29.911	77.3	70.5	.663	.....	77.5	SSW.	1	..	S., Ci-s	8
18	26.	762.55	29.894	77.2	70.	.646	.....	75.5	S. by W.	1	..	S., Cu-s	8
19	25.	762.40	29.892	74.4	67.2	.585	20*h.* 40 *m.*:	78.	S. by W.	1	..	Overcast	8
20	24.	761.75	29.872	73.5	69.	.654	(D. 67.)	80.	S.	1	..	Overcast	8
21	24.5	760.80	29.833	74.	69.7	.672	.....	85.	S. by E.	1	..	Cu., Cu-s., Ci-cu	8
Means	....	.....	29.888	75.5	....	.636	.....	79.6	.....	..	..	.....	..

h. Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
22	27.	764.90	29.981	78.5	69.2	.605	.....	77.3	E. by S.	..	..	Cu., N., Ci-s.	5
23	26.3	764.75	29.979	76.5	68.2	.593	.....	79.1	E. by S.	..	..	Ci., Cu-s., Ci-s., Cu.	3
0	25.4	764.75	29.983	73.9	67.	.582	.....	80.9	E.	..	..	Ci-s., Ci-cu.	4
1	24.7	765.05	29.998	70.3	65.5	.574	.....	83.1	E.	..	..	Cu., Ci., Ci s.	3
2	24.4	765.55	30.019	70.3	66.2	.596	.....	84.9	E.	..	..	Dark Cu.	4
3	24.2	765.60	30.022	69.3	66.	.601	.....	87.1	E.	..	..	Dark Cu. in *N.* and *W.*	1
Means	....	.....	29.997	73.1	....	.592	.....	82.1	.....	..	..	.....	..
4	23.	765.60	30.028	67.5	65.5	.606	.....	92.2	E.	..	..	Ci-s. in *N.* and *W.*	1
5	21.3	765.50	30.032	66.	64.5	.590	.....	94.	E.	..	..	Cu., Ci-s.	2
6	20.3	765.35	30.031	65.5	64.5	.596	.....	92.7	E.	..	..	Overcast with heavy clouds	8
7	22.1	765.20	30.016	66.2	64.6	.591	.....	90.9	E.	..	..	Dark clouds in Hor.	3
8	20.3	764.75	30.007	64.7	63.7	.580	.....	93.	E.	..	..	N., Cu-s.	3
9	19.6	764.80	30.013	64.5	63.7	.582	.....	92.3	E. by N.	..	..	N., Cu.	2
Means	....	.....	30.021	65.7	....	.591	.....	92.5	.....	..	..	.....	..
10	20.3	765.00	30.016	65.3	64.6	.601	.....	92.3	ENE.	..	..	Very dense fog	..
11	21.4	765.40	30.028	66.5	65.6	.620	.....	92.1	ENE.	..	..	Very dense fog, diminishing	..
12	21.1	765.75	30.043	67.5	66.2	.627	.....	90.9	ENE.	..	..	A slight mist	..
13	21.7	766.10	30.054	68.2	66.9	.642	14*h.* 40*m.*:	92.	ENE.	..	..	Light clouds	8
14	23.	766.20	30.052	71.5	68.7	.665	(D. 61.5)	88.5	E.	..	..	Ci-cu., Cu. from *E.*	8
15	23.7	766.30	30.052	73.5	70.5	.705	.....	88.2	E.	..	..	Ci-s., Cu. from *SE*	6
Means	....	.....	30.041	68.7	....	.643	.....	90.7	.....	..	..	.....	..
16	25.	766.50	30.054	75.6	71.	.700	.....	85.5	S. by E.	..	..	Ci-s., Cu.	5
17	25.6	766.45	30.049	76.7	71.5	.705	.....	83.	E.	..	..	Cu. from *SE.*	7
18	26.	766.20	30.037	76.5	69.5	.636	.....	81.	E.	..	..	Cu. from *S.*	7
19	26.7	766.05	30.028	79.1	71.4	.675	20*h.* 40*m.*:	79.5	ESE.	..	..	Cu. from *SE.* by *S.*	7
20	27.	765.75	30.014	78.7	70.	.630	(D. 61.5)	77.2	SE.	..	..	Cu. from *S.*	8
21	26.	765.60	30.013	78.	70.5	.655	.....	73.5	S.	..	..	Cu-s.	8
Means	....	.....	30.032	77.4	....	.667	.....	79.9	.....	..	..	.....	..

h. Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
22	20.	767.20	30.104	69.	56.4	.322	.....	61.5	W.	..	..	Clear	..
23	20.5	767.30	30.106	63.6	55.5	.359	.....	68.9	W.	..	..	Clear	..
0	20.	767.25	30.106	57.7	52.3	.343	.....	74.1	W.	..	..	Clear	..
1	19.8	767.75	30.128	54.	50.7	.345	2h. 40m.:	82.	W.	..	..	Clear	..
2	19.6	768.00	30.139	53.5	49.9	.331	(D. 43.)	84.	W.	..	..	Clear	..
3	19.5	768.00	30.140	50.	48.9	.318	.....	91.9	W.	..	..	Clear	..
Means	....	.....	30.120	58.	....	.341	.....	77.1	.....	..	..	.....	..
4	19.4	768.05	30.141	47.5	46.9	.329	.....	93.	W.	..	..	Clear	..
5	18.9	768.05	30.144	49.4	47.5	.321	.....	90.1	W.	..	..	Clear	..
6	18.5	768.50	30.164	52.	48.7	.320	.....	86.2	NNW.	..	..	Clear	..
7	18.2	768.55	30.165	51.	48.5	.327	8h. 40m.:	89.2	NNW.	..	..	Clear	..
8	17.8	768.60	30.171	51.	48.4	.322	(D. 38.)	88.9	NNW.	..	..	Clear	..
9	16.7	768.80	30.184	49.8	47.7	.321	.....	90.8	NNW.	..	..	Clear	..
Means	....	.....	30.161	50.1	....	.323	.....	89.7	.....	..	..	.....	..
10	16.8	769.05	30.193	48.5	47.	.320	.....	92.8	NNW.	..	..	Clear	..
11	16.7	769.75	30.221	48.3	46.7	.315	.....	92.7	NNW.	..	..	Clear	..
12	16.2	770.25	30.242	48.1	46.7	.317	.....	92.9	NNW.	..	..	Clear	..
13	16.3	770.70	30.259	53.9	51.2	.358	.....	89.2	NNW.	..	..	Clear	..
14	17.5	771.00	30.265	57.7	54.6	.402	.....	82.	NE.	..	..	No clouds, hazy	..
15	17.3	771.20	30.275	61.1	55.6	.388	.....	80.5	ENE.	..	..	No clouds, hazy	..
Means	....	.....	30.242	52.9	....	.350	.....	86.3	.....	..	..	.....	..
16	18.	771.50	30.283	63.	57.	.405	.....	79.5	ENE.	..	..	No clouds, hazy	..
17	18.5	771.50	30.280	64.4	57.	.389	.....	77.7	ENE.	..	..	No clouds, hazy	..
18	19.5	771.10	30.260	65.5	58.	.404	.....	76.	ENE.	..	..	A few small Cu. in Hor.	..
19	20.	770.85	30.247	67.2	58.6	.402	20h. 40m.:	74.	ENE.	..	..	A few small Cu. in Hor.	..
20	21.8	770.60	30.229	69.	60.	.421	(D. 50.)	72.	E.	..	..	A few small Cu. in Hor.	..
21	22.5	770.70	30.229	69.7	60.	.413	.....	72.	E. by N.	..	..	A few small Cu. in Hor., hazy	..
Means	....	.....	30.255	66.5	....	.406	.....	75.2	.....	..	..	.....	..

h. Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
22	18.	755.55	29.657	58.5	58.2	.490	.....	91.4	NE.	..	..	N., raining	8
23	18.2	755.15	29.641	58.	57.5	.475	.....	93.	NE.	..	.02	N., raining	8
0	18.4	754.60	29.620	58.	57.8	.484	.....	94.	NE.	..	.01	N.	8
1	18.5	754.15	29.601	58.	57.7	.482	.....	93.3	NE.	..	..	N., raining	8
2	18.5	754.20	29.603	57.5	57.	.467	.....	94.	NW.byN.	..	.03	N., raining	8
3	18.5	753.85	29.589	57.7	57.2	.471	.....	93.2	NW.byN.	..	.01	N., raining	8
Means	....	.....	29.618	57.9	....	.478	.....	93.1	.....	..	..	.....	..
4	18.7	753.00	29.555	57.2	57.	.471	.....	94.1	NW.byN.	..	.11	N., raining	8
5	18.7	752.80	29.547	57.1	56.5	.458	.....	93.	NW.byN.	..	.01	N., ceased raining	8
6	18.7	752.85	29.550	56.4	56.	.454	.....	92.9	NW.	..	..	N.	8
7	18.5	753.05	29.557	56.2	55.5	.442	.....	92.4	NW.	..	..	N.	8
8	18.4	753.20	29.564	56.6	55.8	.446	.....	92.2	NW.	..	..	N.	8
9	18.3	753.00	29.555	57.5	55.7	.433	.....	89.9	NW.	..	..	N.	8
Means	....	.....	29.555	56.8	....	.451	.....	92.4	.....	..	..	.....	..
10	18.	753.90	29.593	57.	53.	.370	.....	83.9	NNW.	4	..	N.	8
11	17.	755.75	29.670	53.7	49.	.308	.....	79.8	NNW.	3	..	Cu., N	8
12	16.6	756.70	29.710	50.9	45.6	.262	.....	78.	NNW.	4	..	Cu., N	7
13	16.1	757.90	29.759	50.5	44.8	.248	.....	75.4	NNW.	7	..	Ci., Cu.	1
14	16.	759.25	29.811	51.	44.7	.240	.....	74.	NNW.	3	..	Cu., Ci-cu. from *N*	1
15	16.	759.85	29.835	51.3	44.3	.229	.....	71.	NNW.	3	..	Cu., Ci-cu. from *NW*	1
Means	....	.....	29.730	52.4	....	.276	.....	77.	.....	..	..	.....	..
16	15.	760.25	29.856	51.6	44.	.219	.....	69.	NNW.	3	..	Cu., Ci-cu. from *N*	2
17	14.7	760.50	29.868	52.5	45.3	.237	.....	69.	NNW.	2	..	Cu., Ci-cu. from *NNW*	3
18	14.6	760.45	29.866	53.6	45.2	.223	.....	67.	NNW.	2	..	A few scattered Cu	..
19	14.6	760.50	29.868	54.	45.	.213	.....	65.	NNW.	2	..	Clear	..
20	15.	761.40	29.901	54.4	44.3	.194	.....	62.	NNW.	2	..	Clear	..
21	15.3	761.75	29.914	54.7	44.5	.195	.....	61.5	NNW.	..	..	Clear	..
Means	....	.....	29.879	53.5	....	.213	.....	65.6	.....	..	..	.....	..

h. Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c	Sky covered, 8ths.
22	5.8	764.70	30.076	34.6	32.	.173	.....	72.	NW.	..	..	.....	..
23	6.6	765.35	30.096	33.	29.5	.146	.....	74.9	NNW.	..	..	A very little Ci s	..
0	6.8	765.45	30.100	31.3	31.	.189	.....	77.5	NW.	..	..	A very little Ci. and Ci-s	¼
1	6.5	765.90	30.120	30.	28.	.153	2*h.* 40*m.*:	83.5	WNW.	..	..	Ci., Ci-s	½
2	6.1	766.30	30.137	30.7	30.2	.182	(D. 28.)	81.5	W. by N.	..	..	Ci., Ci-s	1
3	5.9	766.00	30.127	30.	29.7	.176	.....	81.2	W. by N.	..	..	S. near horizon	¼
Means	....	.....	30.109	31.6	....	.170	.....	78.4	.....	..	..	.....	..
4	5.6	766.30	30.140	29.9	27.2	.141	.....	....	W. by N.	..	..	Clear	..
5	5.5	766.80	30.160	29.3	28.8	.173	.....	81.2	W. by N.	..	..	S. in horizon	½
6	5.1	765.40	30.106	28.6	26.7	.146	.....	88.8	W.	..	..	Cu-s	½
7	6.	765.70	30.113	28.5	26.5	.144	8*h.* 40*m.*:	83.2	W.	..	..	.....	..
8	6.2	766.00	30.125	28.	26.4	.147	(D. 23.1)	84.5	W.	..	..	.....	..
9	5.8	765.85	30.121	27.5	26.	.146	(A. 28.)	85.2	W.	..	..	A few thin clouds	..
Means	....	.....	30.127	28.6	....	.149	.....	84.6	.....	..	..	.....	..
10	5.9	766.10	30.131	27.2	25.6	.142	.....	84.	W.	..	..	Lightly overcast	8
11	5.	766.25	30.140	29.	26.5	.139	.....	80.9	W.	..	..	Lightly overcast	8
12	5.	766.25	30.140	28.	26.	.141	.....	83.2	W.	..	..	Ci-s., light N	8
13	4.6	766.15	30.138	28.4	26.1	.138	14*h.* 40*m.*:	81.8	W.	..	..	Ci., Ci-s., Cu	3
14	5.3	766.45	30.147	31.4	28.3	.144	(D. 20.5)	79.5	WSW.	..	..	Ci-cu., Ci. from *NW*	7
15	5.2	766.10	30.133	33.5	30.9	.166	.....	83.5	SSW.	..	..	Ci-cu., Ci-s. from *SW*	7
Means	....	.....	30.138	29.6	....	.145	.....	82.1	.....	..	..	.....	..
16	5.8	766.00	30.127	37.1	31.9	.146	.....	77.5	SSW.	..	..	Cu., Ci., Ci-cu	8
17	6.	765.35	30.099	39.2	33.1	.138	.....	72.8	SW.	..	..	Ci., Ci-cu., Ci-s. from *SW*	3
18	6.5	764.30	30.057	41.2	35.6	.162	.....	72.2	SSW.	..	..	Ci., Ci-s. from *SW*	2
19	7.1	763.55	30.023	42.5	36.3	.161	20*h.* 40*m.*:	70.5	SW.	..	..	Ci., Ci-s., S. from *SW*	7
20	8.	763.10	30.001	44.	35.8	.135	(D. 23.5)	70.	SW.	..	..	Ci-cu., Ci. from *SW*	1
21	9.6	763.05	29.991	43.3	37.3	.172	.....	70.	SW.	..	..	Light Ci	4
Means	....	.....	30.050	41.2	....	.152	.....	72.2	.....	..	..	.....	..

h. Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
22	1.8	762.80	30.020	27.5	24.	.114	.....	70.	WSW.	..	..	S., Ci., Ci-s., Cu.	7
23	2.1	762.50	30.006	25.5	22.9	.118	.....	70.9	WSW.	..	..	Ci-s.	..
0	1.7	761.20	29.957	23.7	22.	.122	.....	79.	SSW.	..	..	Ci-s.	..
1	1.3	760.55	29.934	25.5	22.4	.110	.....	78.9	SW.	..	..	Ci-s.	..
2	1.	760.00	29.914	24.	22.4	.125	.....	80.	SSW.	..	..	C., Ci-s.	..
3	1.	758.60	29.858	24.4	21.	.145	.....	80.5	SSW.	..	..	Ci-s. in Hor.	..
Means	...	.....	29.948	25.1	....	.122	.....	76.5	.....	..	..	.....	..
4	0.9	757.30	29.809	27.5	24.1	.116	.....	76.	SSW.	..	..	Clear.	..
5	0.7	756.50	29.777	28.2	25.	.123	.....	76.5	SSW.	..	..	Hazy, a few light clouds	..
6	1.	756.20	29.764	28.7	25.8	.131	.....	76.	SW.	..	..	Hazy, Ci., C-s., Ci-cu.	1
7	0.9	756.35	29.771	29.2	26.6	.138	8h. 40m.:	73.5	SW.	..	..	Cu., N.	6
8	1.	756.40	29.772	29.7	27.5	.148	(D. 21.9)	72.8	WSW.	..	..	N.	8
9	1.	756.35	29.770	28.6	27.	.151	(A. 29.1)	71.2	WSW.	..	..	N.	7
Means	...	.....	29.777	28.6	....	.134	.....	74.3	.....	..	..	.....	..
10	0.9	755.95	29.756	28.9	25.	.116	.....	71.9	WSW.	..	..	N.	2
11	0.9	755.65	29.744	28.	24.5	.117	.....	71.2	SW. by W.	..	..	N. Cu.	1
12	0.8	756.65	29.783	28.3	26.	.138	.....	71.8	WSW.	..	..	Cu.	3
13	1.3	757.15	29.800	29.3	28.	.160	14h. 40m.:	71.8	WSW.	..	..	Cu., Ci.	2
14	1.5	757.55	29.816	30.2	29.2	.170	(D. 19.8)	70.5	WSW.	..	..	.....	..
15	1.4	758.10	29.837	31.8	27.3	.123	(A. 33.2)	71.	W.	..	..	Ci cu., Cu-s	7
Means	...	.....	29.789	29.4	....	.137	.....	71.4	.....	..	..	.....	..
16	1.6	758.60	29.856	33.	28.5	.131	.....	70.7	W.	..	..	Cu., Ci-cu. from *NW.*	7
17	2.3	758.15	29.835	34.5	29.6	.134	.....	71.	W.	..	..	Ci-cu., Cu.	6
18	2.8	757.90	29.823	34.4	30.	.142	.....	72.5	W.	..	..	Ci-cu., Cu. from *WNW.*	7
19	3.	757.80	29.818	34.3	30.3	.148	20h. 40m.:	73.	W.	..	..	Ci-cu., Cu. from *WNW.*	7
20	4.	750.00	29.821	34.5	31.5	.166	(D. 22.)	73.	W.	..	..	Ci-cu., Cu. from *WNW.*	6
21	4.5	758.50	29.838	34.4	29.7	.137	(A. 34.3)	70.5	W. by N.	..	..	Ci-cu., Cu. from *WNW.*	7
Means	...	.....	29.832	34.2	....	.143	.....	71.8	.....	..	..	.....	..

h. m. Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
6 25	21.8	758.65	29.760	64.2	62.7	.555	.....	87.	SW. by S.	..	..	Ci., Cu	6
7 25	22.1	758.85	29.767	68.3	66.	.613	9h.:	85.	SSW.	..	..	Ci., Cu. from *SW*	7
8 25	22.6	758.85	29.765	71.2	68.4	.659	(D. 60.)	85.	SW.	..	..	S., Cu., Ci-cu. from *WSW*	7
9 25	23.2	759.00	29.767	72.6	68.6	.651	(A. —.)	82.5	SW. by S.	..	..	S., Ci. from *WSW*	5
10 25	24.4	759.35	29.775	72.7	70.7	.722	.....	81.5	SW	..	..	Ci-s.	8
11 25	26.	759.45	29.772	76.2	71.7	.718	.....	76.5	WSW.	..	..	Ci., Ci-s. from *W*	6
Means	....	.....	29.768	70.9	....	.653	.....	82.9	.....	..	.	.....	..
12 25	26.7	759.50	29.770	80.2	71.5	.664	.....	73.5	WSW.	..	..	Ci., Cu. from *W*	6
13 25	27.7	759.45	29.763	81.6	72.3	.681	15h.:	71.2	W. by N.	..	..	Ci-cu., Cu. from *W*	7
14 25	28.6	759.40	29.757	83.	71.2	.623	(D. 61.5)	69.	WNW.	..	..	Ci-cu., Cu. from *W*	6
15 25	29.	759.65	29.765	83.7	71.1	.614	(A. —.)	67.5	WNW.	..	..	Ci., Ci-s., Cu	6
16 25	29.	759.95	29.777	83.	71.6	.633	.....	67.5	W. by N.	..	..	Ci-s., Cu	7
17 25	28.9	760.30	29.791	82.	72.6	.687	.....	70.5	W.	..	..	Ci-s., Cu	7
Means	....	.....	29.770	82.2	....	.650	.....	69.9	.....	..	..	.....	..
18 25	28.5	760.70	29.966	81.6	72.8	.696	.....	71.5	W.	..	..	Ci-cu	7
19 25	27.6	761.35	29.839	79.5	72.7	.718	21h.:	72.	W.	..	..	Ci-s., Cu., Ci	8
20 25	27.	761.85	29.861	77.7	71.	.560	(D. 63.)	72.5	NW.	..	..	Cu., Ci-cu	4
21 25	25.5	762.15	29.879	74.5	66.9	.573	(A. —.)	74.5	N. by E.	..	..	Clear	..
22 25	25.5	762.75	29.903	72.6	66.1	.567	.....	76.	NNE.	..	..	Ci-s.	2
23 25	25.	762.85	29.910	71.9	65.7	.563	.....	78.	NNE.	..	..	.....	..
Means	....	.....	29.893	76.3	....	.613	.....	74.1	.....	..	..	.....	..
0 25	24.5	763.00	29.918	70.3	64.5	.540	.....	79.6	NNE.	..	..	N.	5
1 25	24.8	763.40	29.933	67.5	63.	.528	3h.:	81.8	NNE.	..	..	Misty, some Cu	..
2 25	24.8	763.70	29.944	67.3	62.1	.500	(D. 57.8)	81.	NNE.	..	..	Ci., Cu	3
3 25	24.7	763.90	29.957	67.	61.7	.495	(A. —.)	81.5	NNE.	..	..	Ci., Cu. and S	2
4 25	24.1	764.55	29.981	65.9	61.1	.487	.....	81.5	NNE.	..	..	Ci., Cu., Cu-s	7
5 25	23.8	764.75	29.990	65.4	60.7	.483	.....	82.3	NNE.	..	..	Cu., Ci	6
Means	....	.....	29.954	67.2	....	.505	.....	81.3	.....	..	..	.....	..

h.	m. Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
6	25	20.7	765.00	30.015	62.4	56.1	.388	.....	78.2	NW. by W.	..	..	Clear	..
7	25	21.4	765.35	30.026	66.1	59.1	.430	9h.:	75.3	NW. by W.	..	..	Clear	..
8	25	21.7	765.50	30.030	69.6	59.4	.399	(D. 53.)	71.	WNW.	..	..	Clear	..
9	25	23.	765.60	30.028	72.3	61.5	.429	(A. —.)	69.	WNW.	..	..	Clear	..
10	25	23.5	765.95	30.039	73.5	62.	.430	.....	68.5	WNW.	..	..	Clear	..
11	25	24.5	765.75	30.027	75.2	63.3	.451	.....	68.	WSW.	..	..	A few light Cu. in *W.*, hazy	..
Means		....	.....	30.027	69.8	....	.421	.....	71.7	.....	..	..		..
12	25	25.	765.50	30.014	77.4	64.4	.459	.....	66.5	WSW.	..	..	A few Cu. floating	..
13	25	25.6	765.50	30.011	78.5	64.5	.450	15h.:	65.	WSW.	..	..	Cu., Ci-cu. from *NNW*	..
14	25	26.5	765.45	30.005	79.	64.8	.454	(D. 53.)	64.5	W.	..	..	Cu., Ci-cu. from *N*	3
15	25	27.	765.15	29.990	80.4	64.4	.426	(A. —.)	63.5	W.	..	..	Cu., Ci-cu. from *NW*	2
16	25	27.5	765.10	29.986	80.8	66.4	.485	.....	64.5	WSW.	..	..	Cu., Ci-cu. from *NW*	..
17	25	28.	765.00	29.980	78.5	67.	.530	.....	67.	WSW.	..	..	Hazy, no clouds	..
Means		....	.....	29.998	79.1	....	.467	.....	65.2	.....	..	..		..
18	25	26.6	765.15	29.992	75.6	65.6	.518	.....	70.5	SW. by S.	..	..	Hazy, no clouds	..
19	25	25.2	765.25	30.003	71.9	65.	.540	21h :	77.5	SW.	..	..	Very hazy	..
20	25	23.7	765.30	30.012	69.5	64.5	.551	(D. 59.)	82.2	SW.	..	..	Very hazy	..
21	25	22.1	765.30	30.020	67.5	64.	.558	(A. —.)	82.1	SW.	..	..	Clear	..
22	25	21.	765.40	30.030	65.8	63.	.547	.....	87.	SW.	..	..	Clear	..
23	25	20.6	765.45	30.033	64.5	62.5	.546	.....	89.5	SW.	..	..	Clear	..
Means		....	.....	30.015	69.1	....	.543	.....	81.5	.....	..	..		..
0	25	19.5	765.50	30.041	62.2	61.1	.531	.....	91.5	SW.	..	..	Clear	..
1	25	21.7	765.70	30.038	64.	62.	.537	3h.:	88.7	SW.	..	..	Clear	..
2	25	22.2	765.80	30.039	62.	60.3	.509	(D. 51.5)	90.1	NNW.	..	..	Clear	..
3	25	22.	765.90	30.045	61.1	59.4	.494	(A. —.)	90.7	NNW.	..	..	Clear	..
4	25	21.9	766.05	30.051	60.6	59.4	.500	.....	91.3	NNW.	..	..	Clear	..
5	25	21.7	766.35	30.064	60.7	60.	.515	.....	93.2	NNW.	..	..	Clear	..
Means		....	.....	30.046	61.8	....	.514	.....	90.9	.....	..	..		..

h.	m.	Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
6	25	.....	23.2	764.00	29.964	68.9	67.6	.658	.....	91.7	SSW.	..	..	Ci., Ci-s.	1
7	25	.....	....	.....	.....	....	....	....	9h.:	....	SSW.	..	..		..
8	25	.....	24.7	764.10	29.961	74.3	71.1	.718	(D. 66.5)	88.5	S.	..	..	Ci., Ci-s., Cu	4
9	25	.....	25.6	764.20	29.960	76.8	73.1	.762	.....	88.4	SW.	..	..	Cu., Ci.	5
10	25	.....	26.5	764.50	29.968	78.7	74.2	.782	.....	88.3	SW.	..	..	Cu., N	6
11	25	.....	27.5	764.50	29.963	80.7	74.6	.776	.....	84.7	SW.	..	..	Cu., N.	6
Means		.....	....	.....	29.963	75.9	....	.739	.....	88.3	.....	..	..		..
12	25	.....	28.8	764.35	29.953	82.	74.	.738	.....	82.	SSW.	..	..	N., Cu.	5
13	25	.....	29.	763.80	29.928	83.4	74.7	.750	15h.:	79.5	SSW.	..	..	N., Cu.	5
14	25	.....	29.5	763.70	29.922	83.7	75.4	.774	(D. 69.5)	79.1	SW.	..	..	N., Cu.	6
15	25	.....	29.5	763.50	29.914	83.5	75.5	.780	.....	80.3	SW.	..	..	N., Cu., Ci-s.	6
16	25	.....	30.5	763.40	29.904	86.	76.8	.804	.....	79.	SSW.	..	..	Cu., Ci-cu.	5
17	25	.....	30.	763.35	29.905	84.5	76.2	.796	.....	79.5	SW.	..	..	Cu., N.	1
Means		.....	....	.....	29.921	83.8	....	.774	.....	79.9	.....	..	..		..
18	25	.....	27.7	763.10	29.906	77.8	73.4	.763	.....	87.1	SW.	..	..	Ci-cu., Ci-s.	½
19	25	.....	26.2	763.15	29.916	74.9	72.4	.759	21h.:	90.9	SW.	..	..	A few thin Cu. and Ci-cu.	..
20	25	.....	27.8	763.50	29.922	73.8	70.6	.706	(D. 64.)	91.	S.	..	..	Clear.	..
21	25	.....	....	.....	.....	....	....	....	.....	....	S.	..	..		..
22	25	.....	27.	763.60	29.930	71.3	69.	.679	.....	90.2	S.	..	..	Clear.	..
23	25	.....	26.3	763.75	29.939	70.6	69.2	.693	.....	92.7	S.	..	..	Clear.	..
Means		.....	....	.....	29.923	73.7	....	.720	.....	90.4	.....	..	..		..
0	25	.....	26.1	763.50	29.930	71.2	69.6	.700	.....	91.8	S.	..	..	Clear.	..
1	25	.....	25.9	763.40	29.927	74.3	71.	.715	3h.:	87.4	S.	..	..	Clear.	..
2	25	.....	24.5	762.95	29.917	70.6	69.	.686	(D. 66.)	92.3	S.	..	..	Clear.	..
3	25	.....	23.5	762.85	29.917	70.6	69.2	.693	.....	93.5	S.	..	..	Clear.	..
4	25	.....	22.9	763.00	29.926	69.9	68.5	.676	.....	94.1	S.	..	..	Ci., Cu.	4
5	25	.....	23.4	763.65	29.949	70.9	69.4	.697	.....	92.8	S.	..	..	Lightly overcast.	8
Means		.....	....	.....	29.928	71.2	....	.694	.....	92.	.....	..	..		..

h.	m.	Göttingen time.	Barometer. Temperature, centigrade	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah'. Dry.	Therm'rs, Fah'. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
*6	25	.....	15.5	757.25	29.735	49.4	44.8	.261	.....	82.7	NNW.	..	..	Clear.....	..
7	25	.....	15.7	758.10	29.768	50.1	45.1	.260	9*h*.:	78.4	NNW.	..	..	Clear.....	..
8	25	.....	15.2	759.00	29.805	50.7	43.7	.223	(D. 34.)	75.	NW.	2	..	A few Cu. near Hor.....	..
9	25	.....	15.3	759.50	29.825	52.5	44.8	.226	.....	73.5	NW.	2	..	A few Cu. and Ci-cu. from *WNW*....	..
10	25	.....	15.6	759.65	29.829	53.5	45.	.219	.....	72.5	NW.	3	..	Cu. in Hor.....	1
11	25	.....	15.5	759.80	29.835	51.2	45.6	.225	.....	71.	NW.	3	..	Cu., Ci-cu. from *NW*.....	2
Means		.....	....	.....	29.799	51.7	....	.236	.....	75.5	.....	..	..	.....	..
12	25	.....	15.8	760.00	29.842	55.	46.5	.236	.....	71.	NW.	2	..	Cu., Ci-cu. from *NW*.....	2
13	25	.....	15.3	760.15	29.851	57.	47.5	.237	15*h*.:	69.6	NW.	1	..	Cu., Ci-cu., Ci-s.....	3
14	25	.....	16.2	760.55	29.863	57.2	47.7	.239	(D. 29.7)	68.5	NW.	2	..	Cu., Ci-cu., Cu-s. from *NW*.....	3
15	25	.....	15.2	760.75	29.875	56.6	46.6	.220	.....	68.5	NW.	2	..	Cu., Ci-cu., Cu-s. from *NW*.....	3
16	25	.....	18.9	761.85	29.900	56.4	46.	.209	.....	67.6	NW.	2	..	Cu., Ci-cu., Cu-s. from *NW*.....	1
17	25	.....	18.5	762.75	29.937	54.8	46.5	.238	.....	67.	NW.byN.	..	..	Clear.....	..
Means		.....	....	.....	29.878	56.2	....	.230	.....	68.7	.....	..	..	.....	..
18	25	.....	18.1	763.10	29.953	48.6	43.1	.232	.....	75.1	NNW.	..	..	Thin Ci-s in Hor.....	..
19	25	.....	17.3	764.50	30.012	46.4	41.9	.232	21*h*.:	78.	NNW.	..	..	Cu. in *NW*., aurora.....	..
20	25	.....	16.4	765.00	30.036	45.5	40.7	.217	(D. 28.5)	78.3	N.	..	..	Cu in *N*., aurora.....	..
21	25	.....	15.2	766.00	30.081	42.3	39.1	.220	.....	78.5	N.	..	..	Clear.....	..
22	25	.....	15.2	766.20	30.091	40.3	37.1	.203	.....	78.5	N.	..	..	Clear.....	..
23	25	.....	14.9	766.70	30.110	37.	35.	.200	.....	84.5	N.	..	..	Clear.....	..
Means		.....	....	.....	30.047	43.3	....	.217	.....	78.8	.....	..	..	.....	..
0	25	.....	13.9	766.85	30.122	37.6	37.2	.213	.....	85.9	N.	..	..	Clear.....	..
1	25	.....	13.6	767.30	30.140	37.5	36.5	.223	3*h*.:	93.3	N.	..	..	Clear.....	..
2	25	.....	13.	767.45	30.149	37.9	36.5	.218	(D. 31.5)	92.1	N.	..	..	Clear.....	..
3	25	.....	12.4	767.95	30.172	37.	35.2	.203	.....	93.2	N. by W.	..	..	Clear.....	..
4	25	.....	12.1	768.30	30.187	34.7	33.9	.204	.....	95.1	N. by W.	..	..	Clear.....	..
5	25	.....	12.3	769.05	30.216	35.	34.1	.205	.....	94.	N. by W.	..	..	Clear.....	..
Means		.....	....	.....	30.164	36.6	....	.211	.....	92.3	.....	..	..	.....	..

h.	m. Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
6	25	19.1	761.70	29.893	55.	54.7	.435	.....	93.1	NE.	..	..	N.	8
7	25	18.5	761.45	29.886	55.	54.5	.429	9h.:	93.5	NE. by E.	..	..	N.	8
8	25	18.5	760.95	29.867	56.	55.3	.439	(D. 55.)	91.	E. by N.	..	.01	N., raining	8
9	25	18.3	761.00	29.869	56.6	55.8	.446	(A. —.)	90.	E. by N.	..	.01	N.	8
10	25	18.	760.30	29.844	56.	55.4	.441	.....	91.	ENE.	..	..	N., raining	8
11	25	17.9	759.25	29.803	56.5	55.9	.449	.....	91.	NE. by E.	..	..	N., raining	8
Means		....	.....	29.860	55.8	....	.440	.....	91.6	.....	..	..	.....	..
12	25	17.9	758.30	29.766	57.	56.6	.463	.....	92.	NE.	..	..	Very fine mist	8
13	25	17.9	757.35	29.729	57.5	57.	.467	15h.:	91.	NE.	..	..	Thick fog.	8
14	25	18.	756.50	29.694	58.5	57.8	.478	(D. 57.)	91.5	NE.	..	..	Fine rain.	8
15	25	17.9	756.05	29.677	58.5	58.1	.487	(A. —.)	91.5	NE.	..	.01	Fine rain.	8
16	25	18.	755.55	29.657	58.5	58.2	.490	.....	91.4	NE.	..	.02	N., raining	8
17	25	18.2	755.15	29.641	58.	57.5	.475	.....	93.	NE.	..	.02	N., raining	8
Means		..	.....	29.694	58.	..	.477	.....	91.7	.....	..	..	.....	..
18	25	18.4	754.60	29.620	58.	57.8	.484	.....	94.	NE.	..	.01	N.	8
19	25	18.5	754.15	29.601	58.	57.7	.482	.....	93.3	NE.	..	..	N., raining	8
20	25	18.5	754.20	29.603	57.5	57.	.467	.....	94.	NW. by N.	..	.03	N., raining	8
21	25	18.5	753.85	29.589	57.7	57.2	.471	.....	93.2	NW. by N.	..	.01	N., raining	8
22	25	18.7	753.00	29.555	57.2	57.	.471	.....	94.1	NW. by N.	..	.11	N., raining	8
23	25	18.7	752.80	29.548	57.1	56.5	.458	.....	93.	NW. by N.	..	.01	N.	8
Means		....	.....	29.586	57.6	....	.472	.....	93.6	.....	..	....	.....	..
0	25	18.7	752.85	29.550	56.4	56.	.454	.....	92.9	NW.	..	..	N.	8
1	25	18.5	753.05	29.557	56.2	55.5	.442	.....	92.4	NW.	..	..	N.	8
2	25	18.4	753.20	29.564	56.6	55.8	.446	.....	92.2	NW.	..	..	N.	8
3	25	18.3	753.00	29.556	57.5	55.7	.433	.....	89.9	NW. by W.	..	..	N.	8
4	25	18.	753.90	29.593	57.	53.	.370	.....	83.9	NNW.	4	..	N.	8
5	25	17.	755.75	29.672	53.7	49.	.308	.....	79.8	NNW.	3	..	Cu., N.	8
Means		....	.....	29.582	56.2	....	.409	.....	88.5	.....	..	..	.....	..

h.	m. Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
6	25	4.3	766.15	30.140	23.5	23.5	.147	.....	95.9	N. by E.	..	..	Ci., Ci-cu.	..
7	25	4.	766.75	30.166	25.8	25.5	.155	9h.:	93.5	N. by E.	..	..	Ci-cu., Ci-s., Cu-s.	7
8	25	4.8	767.10	30.175	29.2	28.4	.167	(D. 25.)	92.	N. by E.	..	..	Ci-cu., S.	8
9	25	4.	766.90	30.172	33.	31.	.172	(A. 30.6)	85.	N. by E.	..	..	Ci.cu., N., Cu-s., S.	8
10	25	4.5	767.00	30.172	36.1	31.8	.154	.....	80.	N. by E.	..	..	Ci cu., N., and hazy	8
11	25	4.8	766.60	30.156	38.4	33.	.145	.....	74.	N. by E.	..	..	Ci-cu., Cu-s.	7
Means		....	.....	30.163	31.	....	.157	.....	86.7	.....	..	..	.....	..
12	25	5.3	766.00	30.129	38.6	34.2	.165	.....	76.	W.	..	..	Ci-cu., N., Cu-s.	8
13	25	6.	765.50	30.105	40.3	35.7	.175	15h.:	74.5	W. by S.	..	..	Ci-cu., Ci-s., Cu-s. from *WNW*	6
14	25	6.8	765.50	30.102	39.8	35.3	.173	(D. 23.)	74.5	SW.	..	..	Ci-cu., Ci-s., Cu-s. from *WNW*	6
15	25	6.6	765.40	30.098	38.5	34.7	.176	(A. 39.)	76.	SW.	..	..	Ci-cu., Ci-s., Cu-s. from *WNW*	5
16	25	6.8	765.20	30.090	37.5	33.2	.159	.....	75.5	SW.	..	..	Ci., Ci-cu., Cu-s.	4
17	25	7.5	765.45	30.097	36.5	32.5	.157	.....	79.1	E. by N.	..	..	Ci., Ci-cu., Ci-s.	1
Means		..	.....	30.103	38.5	....	.167	.....	75.9	.....	..	..	.....	..
18	25	7.3	766.00	30.120	36.	32.7	.167	.....	80.4	E. by N.	..	..	Overcast, dark	8
19	25	6.7	765.65	30.108	33.7	31.2	.169	21h.:	83.4	E. by N.	..	..	Ci-cu., Cu-s.	2
20	25	7.5	766.15	30.125	33.6	31.8	.180	(D. 27 3)	84.5	E. by N.	..	..	Ci-cu.	1
21	25	7.3	765.05	30.082	32.5	31.5	.186	(A. 32.6)	88.4	E. by N.	..	..	Cu-s.	1
22	25	7.	764.55	30.065	31.5	30.5	.179	.....	91.4	E.	..	..	Cu-s.	1
23	25	6.1	764.30	30.058	32.6	31.	.176	.....	88.9	E.	..	..	N.	1
Means		..	.....	30.093	33.3	....	.176	.....	86.2	.....	..	..	.....	..
0	25	5.8	763.65	30.034	30.	29.	.169	.....	92.7	E.	..	..	Lightly overcast	8
1	25	6.	763.40	30.022	31.	30.	.176	3h.:	92.	E.	..	..	Ci., Ci-s., N.	8
2	25	5.5	762.95	30.008	31.4	30.2	.175	(D. 28.4)	94.	E.	..	..	Ci., Ci-s., N	8
3	25	5.1	762.50	29.992	31.7	30.3	.174	(A. 31.5)	92.8	ENE.	..	..	Ci., Ci s., N	8
4	25	5.2	762.20	29.979	32.6	31.3	.181	.....	93.2	ENE.	..	..	Ci., Ci-s., N	8
5	25	4.9	762.00	29.972	33.1	32.	.188	.....	95.9	ENE.	..	..	Ci., Ci-cu., Ci-s., N	8
Means		..	.....	30.001	31.6	....	.177	.....	93.4	.....	..	..	.....	..

h. m. Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
6 25.....	—2.2	764.90	30.122	20.6	20.	.123	.....	81.1	W.	..	..	Clear.....	..
7 25.....	....	.....	.....	....	....	....	.....	....	W.	..	..	.....	..
8 25.....	—2.	765.70	30.152	23.2	20.8	.109	9h.:	78.5	W.	..	..	Clear.....	..
9 25.....	—1.5	766.00	30.162	25.	22.6	.118	(D. 17.)	76.5	W. by N.	..	..	Clear	..
10 25.....	—0.6	766.15	30.163	27.	24.	.119	(A. 25.8)	74.5	W.	..	..	Very little Ci., Ci s. in *W*.....	..
11 25.....	0.0	765.80	30.147	28.	24.9	.123	.....	72.5	W.	2	..	Ci., Cu.....	1
Means.....	....	.....	30.149	24.8	....	.118	.....	76.6	.....	..	..	.....	..
12 25.....	0.6	765.20	30.120	29.	26.	.131	.....	70.5	W. by N.	1	..	Ci., Ci-cu., Cu. from *N*.....	2
13 25.....	0.7	765.25	30.121	29.5	26.5	.134	.....	70.	W. by N.	2	..	Ci., Ci cu., Cu. from *N*.....	3
14 25.....	1.2	765.40	30.125	29.5	26.5	.134	15h.:	70.	W. by N.	1	..	Ci-cu., Cu.....	1
15 25.....	1.5	765.50	30.128	29.4	25.2	.113	(D. 19.8)	70.	W. by N.	1	..	Ci., Ci cu.....	..
16 25.....	1.3	765.40	30.124	28.2	24.7	.117	(A. 29.5)	71.	W. by N.	..	..	Ci., Cu-s.....	1
17 25.....	1.3	765.60	30.132	27.	24.5	.127	.....	72.5	WSW.	..	..	Ci., Cu-s.....	2
Means.....	....	.....	30.125	28.8	....	.126	.....	70.7	.....	..	..	.....	..
18 25.....	1.3	765.70	30.136	26.2	23.4	.118	.....	74.	WSW.	..	..	Ci-cu., Cu-s.....	1
19 25.....	1.	766.00	30.149	25.	23.	.124	.....	77.5	W.	..	..	Very little Cu-s. in *N*.....	..
20 25.....	0.7	765.80	30.143	25.3	23.2	.124	21h.:	78.8	W.	..	..	N.....	6
21 25.....	0.5	765.55	30.134	25.7	24.	.132	(D. 23.9)	81.	W.	..	..	Overcast.....	8
22 25.....	0.8	764.65	30.097	25.3	24.2	.140	(A 26.)	86.5	SW.	..	..	Light clouds in Hor.....	2
23 25.....	0.4	764.25	30.083	25.8	24.5	.139	.....	86.5	SW.	..	..	Clear.....	..
Means.....	....	.....	30.124	25.5	....	.129	.....	80.7	.....	..	..	.....	..
0 25.....	0.3	763.25	30.045	26.2	24.8	.140	.....	85.	SW.	..	..	Clear.....	..
1 25.....	0.2	762.90	30.032	25.7	25.	.148	.....	86.5	SW.	..	..	Overcast.....	8
2 25.....	0.2	762.20	30.004	27.	25.6	.144	3h.:	87.2	SSW.	..	..	Overcast.....	8
3 25.....	0.2	761.35	29.971	27.5	26.	.146	(D. 26.2)	85.1	S.	..	..	Overcast.....	8
4 25.....	0.2	759.90	29.914	27.5	25.5	.138	(A. 27.)	84.	S.	..	..	Overcast.....	8
5 25.....	0.0	758.45	29.858	28.5	26.1	.137	.....	81.9	S.	1	..	Overcast.....	8
Means.....	....	.....	29.971	27.1	....	.142	.....	84.9	.....	..	..	.....	..

62.6

MAGNETIC OBSERVATORY

AT THE

GIRARD COLLEGE, PHILADELPHIA.

ORDINARY MAGNETIC AND TRIPLE OBSERVATIONS,

FROM JANUARY TO JUNE, 1841.

GENERAL NOTES FOR THE HALF YEAR ENDING JUNE, 1841.

In January of this year a reflecting vertical force magnetometer was introduced, in place of the Lloyd balance magnetometer. This required a new arrangement of the instruments. The horizontal force magnetometer was left in its place, and the position of the declination and vertical force instruments altered to suit the relative intensities of the three magnetic bars, which were determined anew, the three instruments being placed as before by Professor Lloyd's problem. The declinometer readings came upon a different part of the scale; but it was ascertained, by careful experiments, that the instrument was in equilibrium.

The instruments, then, during this year were, the Gauss declinometer by Meyerstein, a reflecting vertical force magnetometer devised by me, and made by Saxton, a Gauss horizontal force magnetometer.

Thermometers by Francis, of Philadelphia, with verniers reading to tenths of a degree, were placed in the boxes of the horizontal and vertical force instruments.

The unit of the scale of the declinometer was 27″.3. The unit of scale of the vertical force magnetometer was .000,033, and of the horizontal force instrument .000,140, in parts of the total vertical and horizontal force, respectively.

The correction for temperature for the horizontal force instrument at the beginning of this year was 3.0, and at the end, 2.7 divisions of the scale for one degree of Fahrenheit. The correction for the vertical force was 13.5 divisions of its scale for one degree.

The bar of the vertical force instrument lost its magnetism rapidly when first put up, and on the 24th of May the balance of the instrument, but not the sensibility, was altered. The approximate correction to reduce the bar to the old position is +520 divisions.

The time is reckoned as before; each observation entered is the mean of three readings of the scale.

The observations during the first part of the month of January are omitted, on account of the changes of position and kind of instruments noted above.

On the 2d of June the wires of the horizontal force magnetometer were struck accidentally, so as to disarrange the instrument; and as the readings were near the end of a subsidiary scale, which had been attached to the original one, it was thought best to rearrange the instrument, so as to bring it nearly to the middle division of the scale (500) when the other instruments were not in the observatory. The approximate correction to reduce the position of June 1st to that from June 1st to June 5th, is —213, and from that position to the new, —687. The whole difference of reading between the old and new positions is 900 divisions of the scale, nearly. The unit of the scale was found to correspond to .000,038 of the whole force, so that .000,040 has been assumed for the whole year, the determination in May, 1840, having been .000,042.

Göttingen time.. / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.	*Reduced means.
Jan. 12.....	568.9	563.7	570.5	570.6	576.6	575.6	562.4	559.7	565.3	570.1	571.3	569.5	568.7	455.9
13.....	569.3	568.5	575.9	567.4	550.6	573.	565.3	561.	565.5	569.3	575.2	572.8	567.8	455.
14.....	570.7	569.6	567.7	560.4	573.7	571.	562.3	554.6	559.9	568.2	564.4	579.7	566.8	454.
15.....	578.3	569.3	565.3	562.5	578.8	569.9	563.4	558.9	557.1	565.	573.	586.1	569.	456.2
16.....	573.3	578.1	571.5	557.2	574.5	576.	568.1	564.9	566.8	580.5	581.	580.6	572.7	459.9
18.....	579.3	577.8	578.6	578.9	580.7	584.7	573.7	574.5	576.8	580.	579.	579.3	578.6	465.8
19.....	579.9	583.5	584.7	583.5	579.5	586.	567.1	572.	574.8	583.	592.6	583.1	580.8	468.
20.....	581.8	581.3	580.9	578.6	585.3	580.6	573.8	570.8	570.3	577.	587.8	584.8	579.4	466.6
21.....	578.4	580.4	580.1	580.2	583.3	584.8	576.	566.8	571.7	574.1	590.5	582.2	579.	466.2
22.....	581.8	.....	.....	.....	585.1	585.1	575.7	571.5	578.5	581.	585.2	580.3	580.5	467.7
23.....	580.4	580.3	581.1	581.8	583.	583.6	576.7	572.8	576.9	580.1	580.2	580.9	579.8	467.
25.....	579.9	594.9	585.3	578.1	583.9	582.5	570.1	570.4	572.	574.6	577.7	610.1	581.6	468.8
26.....	592.7	574.5	577.	580.	576.3	583.5	572.4	566.2	565.2	572.4	581.3	581.9	577.	464.2
27.....	581.8	577.5	582.	570.5	584.	583.1	573.7	569.	570.9	569.	581.	579.3	576.8	464.
28.....	576.1	577.7	578.3	570.	583.4	577.7	572.2	569.2	572.	576.2	576.6	577.1	575.5	462.7
29.....	583.4	576.3	569.2	578.1	581.4	582.	569.1	558.	567.2	572.3	576.2	576.6	574.1	461.3
30.....	577.	574.5	575.6	573.5	582.1	581.7	567.4	565.6	569.4	568.	576.9	577.4	574.1	461.3
Means	577.8	576.7	576.5	573.2	579.	580.	570.	566.2	569.4	574.2	579.5	581.3	575.4	
* Reduced means	465.	463.9	463.7	460.4	466.2	467.2	457.2	453.4	456.6	461.4	466.7	468.5		462.6

See general notes.

* Reduced to the position of December, 1840; correction, —112.8.

Göttingen time.. / Observatory time	h. m. 6 02½ / 0 22	h. m. 8 02½ / 2 22	h. m. 10 02½ / 4 22	h. m. 12 02½ / 6 22	h. m. 14 02½ / 8 22	h. m. 16 02½ / 10 22	h. m. 18 02½ / 12 22	h. m. 20 02½ / 14 22	h. m. 22 02½ / 16 22	h. m. 0 02½ / 18 22	h. m. 2 02½ / 20 22	h. m. 4 02½ / 22 22	Means.	Reduced to 32° F.
Jan. 12.....	959.	945.7	945.8	936.1	936.3	976.	993.1	960.2	922.1	923.	930.5	939.9	947.3	913.
13.....	919.3	879.8	927.9	930.8	932.5	947.8	970.1	962.1	931.7	938.	956.	938.	936 2	914.6
14.....	928.9	949.2	959.9	934.7	913.2	964.6	986.1	969.5	946.	960.	977.8	972.6	955.2	941.4
15.....	945.8	943.5	920.9	914.3	920.5	948.3	992.9	971.6	980.9	976.9	968.5	968.	954.3	941.1
16.....	984.6	964.2	942.	940.5	926.8	955.8	961.3	949.3	934.4	927.9	929.5	932.7	945.7	928.6
18.....	945.8	936.8	926.5	915.5	913.8	932.9	936.4	917.6	884.7	882.4	877.7	876.2	912.2	911.6
19.....	874.5	861.7	862.4	848.4	822.7	858.7	921.9	893.3	889.3	*988.7	930.2	933.	890.4	924.
20.....	922.2	927.1	908.	904.	899.	921.1	958.5	975.3	952.2	938.9	946.9	942.	932.9	951.5
21.....	931.3	935.4	933.9	927.4	918.7	938.4	970.9	936.6	946.9	942.8	966.9	959.9	942.4	932.8
22.....	948.	.....	.....	.....	949.	951.6	974.3	958.8	936.7	940.9	938.5	933.8	948.	935.7
23.....	930.3	922.9	919.1	916.7	918.5	931.9	946.1	936.9	937.5	927.6	936.7	937.8	930.2	923.9
25.....	961.8	946.8	944.4	932.9	930.2	926.6	972.5	950.7	952.7	955.4	955.2	977.2	950.5	927.1
26.....	997.9	967.5	961.9	916.	927.6	945.3	999.9	1006.2	961.4	971.	978.7	941.4	964.6	941.8
27.....	971.6	963.5	975.4	954.5	951.2	961.	988.	978.1	999.3	1007.	922.1	1009.4	973.4	948.
28.....	970.5	960.7	958.5	952.4	936.3	963.3	988.2	985.1	966.9	976.	†984.1	988.7	969.2	935.9
29.....	972.	958.5	957.5	953.2	940.2	969.5	1001.7	983.2	932.6	943.4	945.3	943.1	958.3	933.4
30.....	947.1	943.7	940.4	935.4	930.	960.9	981.9	971.9	930.1	955.	939.4	940.	948.	925.6
Means.....	947.7	937.9	936.5	925.8	921.6	944.3	973.2	959.2	941.5	950.3	946.1	949.	944.6	
Reduced to 32° F.	932.7	924.7	925.8	915.9	912.	933.5	959.4	942.7	925.3	934.4	931.1	935.5		931.1

See general notes. * Nine minutes late. † Four minutes late.

Göttingen time / Observatory time	h. m. 6 02½ / 0 22	h. m. 8 02½ / 2 22	h. m. 10 02½ / 4 22	h. m. 12 02½ / 6 22	h. m. 14 02½ / 8 22	h. m. 16 02½ / 10 22	h. m. 18 02½ / 12 22	h. m. 20 02½ / 14 22	h. m. 22 02½ / 16 22	h. m. 0 02½ / 18 22	h. m. 2 02½ / 20 22	h. m. 4 02½ / 22 22	Means.
Jan. 12	44.	43.2	43.	42.2	42.	42.3	44.	45.	44.8	44.5	43.4	42.4	43.4
13	41.	40.2	39.8	39.3	39.	38.8	39.	39.	39.	39.	38.5	38.	39.2
14	37.7	37.3	36.9	36.3	36.3	36.6	37.2	37.2	36.9	36.5	35.6	35.	36.6
15	35.	34.8	34.8	34.8	35.	35.8	37.	37.8	38.	38.	37.8	37.6	36.4
16	37.5	37.2	37.1	36.9	37.	37.	38.	38.4	38.5	38.4	38.4	38.	37.7
18	42.8	40.5	38.	35.3	33.	31.5	30.5	30.2	29.	27.	25.	23.5	32.3
19	22.3	21.2	20.	18.9	18.2	18.7	20.3	22.	22.	22.	22.	22.	20.8
20	22.4	22.8	22.8	23.	23.3	24.6	26.	27.2	28.	29.2	29.7	30.8	25.8
21	31.9	32.5	33.	33.7	34.3	35.5	36.2	37.	37.	37.	37.	37.	35.2
22	36.8	....	....	....	36.	36.	36.5	37.	36.7	36.	35.2	34.6	36.1
23	34.	33.5	33.	32.8	32.6	33.3	34.3	35.3	35.3	35.4	35.8	36.	34.3
25	39.	38.6	37.9	37.	37.	38.2	40.6	42.	43.1	42.7	41.3	40.5	39.8
26	39.3	38.5	37.7	36.3	36.3	37.5	39.7	41.5	42.5	42.5	42.	41.	39.6
27	40.4	40.	39.6	39.	39.1	40.	40.5	41.	42.	43.	42.8	42.2	40.8
28	41.9	41.	40.4	40.1	40.5	41.5	43.4	46.	46.6	46.4	45.4	44.	43.1
29	43.	42.	41.	40.2	40.	39.5	39.6	40.	39.7	39.8	39.8	39.5	40.3
30	39.4	39.2	39.2	39.	39.	39.1	40.	40.2	....	....	39.7	39.	39.8
Means	37.	36.4	35.9	35.3	35.2	35.6	36.6	37.5	37.4	37.3	37.	36.5	36.5

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 52½	h. m. 14 00	h. m. 14 07½	h. m. 13 50	h. m. 13 57½	h. m. 14 05	Temperature Fahrenheit.	h. m. 13 55	h. m. 14 02½	h. m. 14 10	Temperature Fahrenheit.
Observatory time	8 12	8 19½	8 27	8 09½	8 17	8 24½		8 14½	8 22	8 29½	
Jan. 12.....	576.2	576.6	577.3	.....	.....	.....	.....	936.3	936.3	937.	42.
13.....	547.1	550.6	553.7	.....	.....	.....	.....	953.8	932.5	923.6	39.
14.....	573.7	573.6	574.	.....	.....	.....	.....	912.8	913.2	912.9	36.3
15.....	578.1	578.8	579.2	.....	.....	.....	.....	915.6	920.5	921.4	35.
16.....	574.1	574.5	576.1	.....	.....	.....	.....	929.	926.8	924.6	37.
18.....	580.	580.7	581.2	.....	.....	.....	.....	913.6	913.8	911.8	33.
19.....	578.1	579.5	579.3	.....	.....	.....	.....	827.3	822.7	821.4	18.2
20.....	583.4	585.3	584.2	.....	.....	.....	.....	895.4	899.	901.7	23.3
21.....	.....	583.3	.....	.....	.....	.....	.....	.....	918.7	.....	34.3
22.....	584.9	585.1	585.4	.....	.....	.....	.....	948.	949.	951.4	36.
23.....	583.3	583.	583.8	.....	.....	.....	.....	919.2	918.5	917.5	32.6
25.....	580.7	583.9	585.1	.....	.....	.....	.....	926.9	930.2	934.1	37.
26.....	578.7	576.3	576.7	.....	.....	.....	.....	925.5	927.6	924.1	36.3
27.....	578.4	584.	577.7	.....	.....	.....	.....	954.	951.2	962.7	39.1
28.....	582.4	583.4	583.8	.....	.....	.....	.....	937.9	936.3	936.3	40.5
29.....	580.9	581.4	582.	.....	.....	.....	.....	940.3	940.2	940.8	40.
30.....	584.2	582.1	582.8	.....	.....	.....	.....	925.8	930.	931.5	39.

Göttingen time.. Observatory time.	h. m. 6 00 0 19½	h. m. 8 00 2 19½	h. m. 10 00 4 19½	h. m. 12 00 6 19½	h. m. 14 00 8 19½	h. m. 16 00 10 19½	h. m. 18 00 12 19½	h. m. 20 00 14 19½	h. m. 22 00 16 19½	h. m. 0 00 18 19½	h. m. 2 00 20 19½	h. m. 4 00 22 19½	Means.	* Reduced to 32° F.
Feb. 1.....	588.7	586.	575.1	578.2	584.5	582.5	570.9	567.2	569.2	574.2	575.4	575.6	577.3	464.5
2.....	575.7	575.	575.3	575.8	580.6	577.1	569.4	566.	569.9	572.1	572.5	575.2	573.7	460.9
3.....	575.2	574.1	574.4	575.8	579.9	581.1	571.8	568.9	571.1	574.	574.1	573.9	574.5	461.7
4.....	576.6	574.1	576.5	577.4	580.	579.6	567.9	565.8	571.5	578.8	573.8	573.8	574.6	461.8
5.....	575.9	572.3	577.2	576.1	580.2	580.8	570.3	567.8	570.1	573.5	574.5	574.	574.4	461.6
6.....	574.1	573.7	574.9	576.	579.	581.1	573.8	569.	570.	576.	581.2	574.8	575.3	462.5
8.....	573.2	567.6	571.6	574.6	582.5	580.7	565.9	568.2	572.8	577.6	575.5	574.	573.7	460.9
9.....	572.3	571.7	580.8	592.9	551.9	579.7	568.	561.8	578.7	568.5	575.4	575.	573.1	460.3
10.....	573.1	572.8	574.3	575.1	579.9	583.5	572.8	564.7	566.6	571.5	573.	573.5	573.4	460.6
11.....	572.6	573.	573.4	573.	576.	583.3	573.5	566.9	566.7	569.7	568.8	580.8	573.1	460.3
12.....	573.8	572.3	568.2	568.1	582.9	581.	570.4	563.5	562.7	572.	576.	594.9	573.8	461.
13.....	575.9	573.6	577.5	574.6	575.7	582.5	575.5	568.	569.8	573.1	573.1	574.4	574.3	461.5
15.....	572.5	572.5	575.9	577.2	561.5	570.	571.8	560.	565.9	567.5	580.7	578.7	571.2	458.4
16.....	†588.8	575.6	555.5	579.4	582.7	574.7	562.5	561.7	559.4	566.1	571.4	589.8	572.3	459.5
17.....	584.9	573.9	577.5	577.6	583.1	579.	569.1	566.8	571.2	573.7	576.	576.7	575.8	463.
18.....	573.	570.3	577.4	576.1	581.8	573.7	567.6	567.8	566.7	570.	571.3	573.	572.4	459.6
19.....	573.1	574.2	575.	575.9	579.5	575.9	568.	567.4	568.2	568.1	570.7	572.5	572.4	459.6
20.....	572.9	571.9	576.	575.	580.5	574.2	563.	561.	567.2	570.3	571.9	574.3	571.5	458.7
22.....	576.2	576.1	576.3	583.3	588.9	579.5	572.1	570.3	570.4	550.1	597.2	574.3	576.2	463.4
23.....	575.7	576.	573.	591.7	582.9	577.2	565.5	552.1	564.3	567.	607.9	579.6	576.1	463.3
24.....	564.2	568.6	575.1	581.5	585.5	576.5	568.9	567.	571.9	578.3	577.5	581.3	574.7	461.9
25.....	580.3	566.	584.8	583.4	588.5	573.4	565.8	567.	575.5	573.5	588.	578.	577.	464.2
26.....	579.	580.8	580.1	584.7	582.2	586.9	571.1	566.3	574.4	573.	582.9	611.3	581.1	468.3
27.....	579.	577.9	577.9	582.8	589.1	584.9	573.1	566.	572.5	578.2	584.9	578.4	578.7	465.9
Means.....	576.1	573.7	575.1	578.6	580.	579.1	569.5	565.5	569.4	571.5	578.1	578.7	574.61	
*Reduced to 32° F.	463.3	460.9	462.3	465.8	467.2	466.3	456.7	452.7	456.6	458.7	465.3	465.9		461.8

* Reduced to the position of December, 1840; correction, —112.8.

† Nine minutes late.

Göttingen time.. Observatory time.	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.	Reduced to 32° F.
Feb. 1.....	491.2	493.9	486.4	484.7	478.5	482.1	482.2	479.9	480.	481.	483.6	487.	484.2	423.5
2.....	488.1	487.2	486.3	485.2	486.1	487.1	493.3	500.8	511.7	512.1	509.1	511.5	496.5	423.6
3.....	512.4	511.1	507.6	503.6	500.6	509.	530.	557.1	609.5	610.4	565.5	539.2	538.	426.
4.....	521.5	504.	488.4	474.	463.4	472.	491.1	509.1	531.2	526.3	505.	488.7	497.9	429.1
5.....	476.5	465.3	452.9	444.6	436.8	445.1	477.4	508.8	567.7	570.6	546.1	528.5	493.4	427.3
6.....	517.6	505.1	503.7	498.6	497.5	503.2	524.9	546.9	558.8	610.3	606.7	604.9	539.8	439.9
8.....	549.9	551.7	535.9	523.2	507.6	520.6	546.8	580.	649.3	640.3	605.3	589.1	566.6	469.4
9.....	572.5	559.2	573.9	561.6	549.1	540.2	534.5	533.6	531.7	537.8	543.6	544.9	548.5	481.
10.....	544.1	538.5	530.7	521.5	513.8	533.5	566.1	580.	608.3	588.2	543.8	510.3	548.2	479.4
11.....	477.4	451.	425.3	404.	389.1	396.6	415.	441.9	465.1	447.1	401.7	373.1	423.9	479.2
12.....	353.8	329.5	310.2	294.8	286.1	302.9	332.	353.5	398.5	377.1	349.4	333.	335.1	489.
13.....	317.7	307.	287.3	274.9	271.9	293.4	333.3	361.9	*468.9	445.6	397.3	375.5	344.6	490.4
15.....	413.2	395.4	376.1	359.1	353.	369.6	396.8	415.3	*451.6	442.3	425.6	401.	399.9	497.1
16.....	†397.9	384.9	392.	374.	365.4	393.1	428.3	462.3	552.5	536.1	511.6	507.2	442.1	494.7
17.....	510.8	513.4	507.	507.5	511.5	521.8	553.7	566.7	581.9	590.5	591.6	591.1	545.6	502.4
18.....	589.6	585.3	571.9	556.2	543.7	534.8	540.3	553.7	623.4	607.	590.	581.3	573.1	507.
19.....	572.3	564.9	557.9	551.6	547.3	550.	552.9	555.6	570.5	575.	576.	577.3	562.6	504.6
20.....	571.1	564.9	549.1	536.5	530.7	541.8	564.	591.3	713.7	696.7	651.5	633.6	595.4	502.3
22.....	680.1	670.8	661.6	651.7	639.9	640.8	658.4	695.3	757.9	740.	746.7	708.	687.6	516.2
23.....	691.6	677.5	671.1	647.7	641.1	654.6	676.	720.1	736.4	749.9	711.5	675.9	687.8	515.
24.....	652.5	620.1	593.6	573.4	556.2	545.7	535.	535.2	542.9	567.4	543.4	523.7	565.8	515.9
25.....	506.4	493.8	472.	451.6	445.6	467.8	483.9	511.6	525.8	524.9	529.	528.1	495.	509.8
26.....	533.2	543.7	539.9	574.	564.	580.5	611.9	653.4	733.8	721.9	712.5	722.4	624.3	517.7
27.....	710.2	712.6	713.7	706.5	710.6	718.7	719.9	723.4	750.6	752.5	738.6	729.1	723.9	526.8
Means.....	527.1	518.	508.1	498.4	491.2	500.2	518.7	539.1	580.1	577.1	557.7	544.3	530.	
Reduced to 32° F.	486.6	489.7	489.2	486.3	483.1	474.6	468.8	468.9	455.9	496.1	493.1	490.3		481.67

* Sun on the instrument.

† Nine minutes late.

Göttingen time / Observatory time	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means.
Feb. 1	36.9	36.7	36.2	36.	36.	36.4	36.6	36.7	36.5	36.5	37.	37.	36.5
2	36.9	36.9	36.8	36.2	36.2	36.4	37.3	38.	39.	38.4	38.3	38.3	37.4
3	38.2	38.	37.8	37.3	37.5	38.4	41.	42.4	51.	43.	40.5	39.	40.3
4	38.	37.	35.9	35.	34.9	36.	37.4	39.	41.4	38.	36.8	35.7	37.1
5	35.	34.	33.3	32.9	32.7	34.	37.	39.3	46.	41.	39.5	38.6	36.9
6	38.	37.6	37.	37.	37.	38.	40.	41.6	41.5	42.	42.	41.5	39.4
8	37.8	37.	36.1	35.2	34.8	36.6	39.	41.5	49.5	42.3	41.	39.5	39.2
9	38.3	37.4	37.	36.5	36.2	36.2	36.3	37.	37.5	37.4	37.5	37.3	37.
10	37.	36.4	35.8	35.	35.	37.2	40.	40.2	42.	38.	35.3	33.1	37.1
11	31.	29.1	27.	25.9	25.2	26.8	28.5	30.5	32.	28.2	26.	24.8	27.9
12	21.7	19.8	18.2	17.	17.	19.	21.2	23.3	27.	22.2	20.8	20.	20.6
13	18.8	17.5	16.5	15.8	16.2	18.3	21.	23.2	*34.6	26.	23.6	22.5	21.2
15	24.9	23.3	22.1	21.1	20.9	23.	25.5	27.	*32.2	27.1	25.7	24.8	24.8
16	24.	23.2	22.7	22.	22.5	25.5	28.	30.8	39.6	34.	32.8	32.3	28.1
17	32.3	32.3	32.3	32.5	32.8	34.	36.6	37.3	38.3	38.3	38.2	38.	35.2
18	37.9	37.	35.9	35.	34.5	34.3	35.2	37.	41.7	39.	38.	37.	36.9
19	36.7	36.	35.7	35.	35.	35.4	35.8	36.3	37.5	37.4	37.5	37.2	36.3
20	36.4	35.6	34.8	33.9	34.	35.3	37.6	40.	52.2	44.	42.	41.	38.9
22	43.8	43.	42.2	41.3	41.	42.	44.2	46.5	51.	49.	47.	45.	44.7
23	44.8	43.2	42.	41.1	41.2	43.	46.2	48.7	52.2	47.8	45.	42.8	44.8
24	40.8	38.9	37.1	35.9	35.	34.5	34.2	34.5	36.	36.	34.	32.1	35.7
25	31.2	30.	28.6	....	27.5	29.3	31.	31.	33.2	32.8	32.7	32.9	30.9
26	33.4	33.6	33.9	34.	34.7	37.	40.6	44.	49.	46.2	46.4	46.	39.9
27	45.8	45.7	45.6	45.7	45.9	46.4	46.8	47.	48.3	48.	47.	46.8	46.6
Means	35.	34.1	33.4	32.9	32.6	33.9	35.7	37.2	41.2	38.	36.8	36.	35.58

Degrees Fahrenheit.

* Sun on the magnet and thermometer.

Göttingen time.. Observatory time.	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
Feb. 1.....	1007.8	974.1	962.8	952.8	942.7	957.2	977.	963.4	937.	923.3	927.	931.5	1070.7	1058.4
2.....	930.2	930.9	929.	922.1	918.2	952.7	959.	945.6	930.6	934.2	948.6	931.2	1052.	1037.6
3.....	933.7	931.3	925.9	919.2	914.5	924.	957.1	961.8	935.2	930.7	931.6	932.	1049.1	1028.4
4.....	931.6	920.4	910.	902.	896.5	930.7	969.5	935.6	916.2	925.	931.	922.	1040.2	1029.7
5.....	917.5	910.8	914.	911.2	910.2	943.3	958.3	953.5	929.5	930.2	936.1	937.4	1045.3	1035.7
6.....	932.7	921.	916.1	912.	912.6	929.3	958.5	959.3	925.7	1041.	1046.3	1051.5	1045.8	1024.5
8.....	1124.8	1111.3	1084.9	1064.6	1059.5	1106.2	1141.2	1099.7	1075.9	1070.2	1064.	1058.8	1088.4	1072.8
9.....	1050.	1006.7	999.4	982.6	1034.1	1075.8	1122.5	1142.8	1103.3	1081.4	1047.6	1047.4	1057.8	1044.9
10.....	1040.7	1034.7	1029.7	1019.3	1012.7	1052.1	1096.6	1073.4	1041.4	1026.	1017.9	1014.7	1038.3	1027.5
11.....	1003.8	990.7	991.3	978.3	974.1	989.5	1036.	1035.	1017.3	1031.	1053.9	1031.7	1011.	1029.9
12.....	999.7	983.2	981.1	937.2	940.6	1001.3	1009.8	1042.2	1018.	1000.2	1074.	956.3	989.7	1030.5
13.....	988.4	981.2	985.9	963.6	964.1	971.9	1009.7	1028.7	1008.8	998.5	993.6	994.	990.7	1030.9
15.....	989.3	983.2	956.3	953.6	983.5	997.4	1019.9	1058.2	1051.2	1041.1	1028.	1025.3	1007.2	1033.3
16.....	*992.6	1008.3	986.	999.	1002.2	1057.9	1067.9	1047.3	1072.	1043.2	1042.1	1033.4	1029.3	1043.7
17.....	1054.9	1024.1	1038.	1030.6	1046.2	1053.5	1059.	1055.7	1053.4	1046.7	1051.5	1049.2	1046.9	1037.
18.....	1045.4	1041.8	1036.5	1031.6	1038.8	1049.9	1056.8	1050.2	1068.7	1042.5	1042.	1025.9	1044.2	1032.2
19.....	1031.2	1032.2	1026.2	1020.9	1021.5	1046.	1041.2	1033.9	1037.9	1044.4	1050.3	1035.	1035.1	1023.1
20.....	1036.	1016.8	1022.	1017.5	1024.1	1047.7	1050.7	1035.2	1047.7	1048.2	1048.6	1051.5	1037.2	1022.8
22.....	1042.	1035.7	1029.6	1013.3	1026.2	1046.3	1060.	1063.8	†1204.5	†1278.	†1303.7	†1198.5	1108.5	1053.9
23.....	1176.3	1160.9	1149.2	1112.	1164.7	1206.3	1206.7	1209.5	1200.5	1209.3	1197.	1198.3	1182.6	1146.6
24.....	1149.6	1139.2	1125.3	1119.3	1128.4	1152.7	1154.4	1129.8	1123.1	1129.1	1106.4	1078.7	1128.	1120.2
25.....	1113.1	1108.	1104.8	1094.6	1090.8	1113.2	1107.2	1110.8	1106.9	1105.5	1125.3	1111.7	1107.7	1113.4
26.....	1105.4	1118.5	1114.6	1108.7	1096.1	1140.9	1186.3	1154.	1136.1	1165.4	1213.7	1195.4	1144.6	1123.3
27.....	1183.1	1168.7	1153.2	1158.1	1154.4	1165.1	1180.1	1179.4	1150.8	1160.8	1141.	1152.4	1162.3	1119.7
Means.....	1061.5	1051.3	1044.5	1034.2	1039.7	1067.	1086.7	1081.8	1074.5	1075.2	1076.4	1064.4	1063.2	
Reduced to 32° F.	1054.6	1046.8	1042.3	1034.5	1039.4	1066.4	1078.9	1069.5	1053.8	1057.9	1063.5	1054.5		1055.1

* Eight minutes late.

† Bar heated, to get correction for temperature.

Göttingen time / Observatory time	h. m. 6 02½ / 0 22	h. m. 8 02½ / 2 22	h. m. 10 02½ / 4 22	h. m. 12 02½ / 6 22	h. m. 14 02½ / 8 22	h. m. 16 02½ / 10 22	h. m. 18 02½ / 12 22	h. m. 20 02½ / 14 22	h. m. 22 02½ / 16 22	h. m. 0 02½ / 18 22	h. m. 2 02½ / 20 22	h. m. 4 02½ / 22 22	Means.
Feb. 1	36.8	36.1	35.9	35.8	35.7	36.	36.2	36.2	36.1	36.	36.4	36.4	36.1
2	36.2	36.1	36.	35.8	35.8	36.	37.	37.3	38.	38.	38.	38.	36.8
3	38.	37.9	37.2	37.	37.5	38.	40.	41.	41.8	40.9	39.3	38.3	38.9
4	37.2	36.	34.9	33.9	33.9	34.2	35.4	36.8	37.	36.4	35.5	34.8	35.5
5	34.	33.	32.4	32.	32.	32.5	35.	37.2	39.	39.	38.5	38.	35.2
6	37.3	37.	36.3	36.2	36.4	37.4	39.	41.	41.	44.	42.3	41.6	39.1
8	37.2	36.3	35.3	34.2	33.7	35.	37.	39.	40.	40.5	40.	38.6	37.2
9	37.7	36.9	36.	35.7	35.3	35.5	35.5	36.	36.5	36.6	37.	36.6	36.3
10	36.2	35.6	34.7	34.	34.	35.6	38.5	39.	38.4	35.9	33.5	31.5	35.6
11	29.1	27.1	25.8	24.1	24.	25.	26.4	27.8	28.	26.	24.	21.7	25.7
12	19.3	17.9	16.3	15.1	15.2	19.	18.8	20.6	21.2	20.	19.3	18.2	18.4
13	17.3	16.1	15.1	14.6	15.2	17.	19.3	21.3	23.	22.7	22.4	22.	18.8
15	24.3	22.9	21.1	20.	19.6	21.6	24.	25.5	26.3	25.5	25.	24.	23.3
16	23.6	23.	22.3	22.	23.	25.	28.	30.2	32.	32.5	32.5	32.3	27.2
17	32.3	32.3	32.3	32.5	32.7	34.	36.2	37.6	38.5	38.5	38.7	38.4	35.3
18	38.	37.	35.8	34.6	34.	33.8	34.5	36.	37.5	37.7	37.	36.2	36.
19	36.	35.5	35.1	34.8	35.	35.	35.4	36.	37.2	37.5	37.5	37.	36.
20	36.	35.	33.9	32.9	33.	34.	36.	38.	40.	41.	41.	40.5	36.8
22	43.8	43.	42.1	41.1	40.8	42.	43.5	46.5	*95.	*66.5	*51.9	*46.2	50.2
23	44.8	43.	41.7	40.6	41.	42.3	45.	47.6	48.	46.8	45.	42.8	44.
24	40.1	38.1	36.1	34.8	34.	33.3	33.3	33.7	34.	33.	32.5	31.8	34.6
25	30.6	29.2	28.	26.7	27.	28.8	30.5	32.2	33.	32.5	32.7	....	30.1
26	33.2	33.4	33.6	33.8	34.3	36.5	39.2	42.6	45.	45.5	45.8	46.	39.1
27	45.8	45.7	45.2	45.3	45.5	46.	46.5	47.	47.5	47.	46.3	46.3	46.2
Means	34.3	33.5	32.6	32.	32.1	33.1	34.6	36.1	38.9	37.5	36.3	35.5	34.7

Degrees Fahrenheit.

* Bar heated, to get correction for temperature.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 52½	h. m. 14 00	h. m. 14 07½	h. m. 13 50	h. m. 13 57½	h. m. 14 05	Temperature Fahrenheit.	h. m. 13 55	h. m. 14 02½	h. m. 14 10	Temperature Fahrenheit.
Observatory time.....	8 12	8 19½	8 27	8 09½	8 17	8 24½		8 14½	8 22	8 29½	
Feb. 1.....	583.2	584.5	585.1	478.	478.5	478.5	36.	943.7	942.7	940.	35.7
2.....	579.8	580.6	581.	485 9	486.1	486.2	36.2	920.6	918.2	918.9	35.8
3.....	578 6	579.9	580.2	500.4	500.6	500.6	37.5	914.8	914.5	914.3	37.5
4.....	579.7	580.	580.6	464.	463.4	462.6	34.9	895.1	896.5	898.5	33.9
5.....	579.2	580.2	581.	437.5	436.8	436.6	32.7	907.4	910.2	911.1	32.
6.....	579.7	579.	580.6	497.4	497.5	498.1	37.	911.6	912.6	915.6	36.4
8.....	579.3	582.5	579.5	508.5	507.6	506.8	34.8	.....	.....	.....	....
9.....	551.4	551.9	549.5	548.1	549.1	550.5	36.2	1082.3	1034.1	994.8	35.3
10.....	578.9	579.9	580.1	513.8	513.8	513.9	35.	1011.3	1012.7	1012.3	34.
11.....	576 4	576.	576.2	389.4	389 1	388.5	25.2	974.4	974.1	974.4	24.
12.....	580.2	582.9	582.4	285.8	286.1	284.9	17.	945.1	940.6	941.2	15.2
13.....	574.8	575.7	577.4	271.6	271.9	272.4	16.2	964.2	964.1	962.1	15.2
15.....	562.	561.5	566.9	352.9	353.	352.6	20.9	1018.	983.5	957.	19.6
16.....	583.4	582.7	582.6	366.	365.4	365.8	22.5	1002.5	1002.2	996.9	23.
17.....	584.	583.1	584.4	511.	511.5	512.1	32.8	1045.1	1046.2	1046.9	32.7
18.....	581.5	581.8	580.2	544.5	543.7	542.8	34.5	1035.4	1038.8	1040.4	34.
19.....	579 1	579.5	579.8	547.2	547.3	547.2	35.	1022.	1021.5	1024.	35.
20.....	579.7	580.5	580.9	531.7	530.7	529.8	34.	1024.4	1024.1	1028.2	33.
22.....	589.	588.9	586.2	640.8	639.9	638.8	41.	1022.8	1026.2	1022.5	40.8
23.....	580.3	582.9	583.	640.9	641.1	640.8	41.2	1165.4	1164.7	1161.7	41.
24.....	583.6	585.5	588.	556.9	556.2	565.2	35.	1118.1	1128.4	1120.4	34.
25.....	588.7	588.5	587.6	445.3	445.6	445.8	27.5	1089.2	1090.8	1089.2	27.
26.....	577.7	582.2	586.3	563.8	564.	564.2	34.7	1101.5	1096.1	1113.	34.3
27.....	.....	589.1	.....	.....	710.6	.....	45.9	.....	1154.4	.....	45.5

Göttingen time.. Observatory time	h. m. 6 00 0 19½	h. m. 8 00 2 19½	h. m. 10 00 4 19½	h. m. 12 00 6 19½	h. m. 14 00 8 19½	h. m. 16 00 10 19½	h. m. 18 00 12 19½	h. m. 20 00 14 19½	h. m. 22 00 16 19½	h. m. 0 00 18 19½	h. m. 2 00 20 19½	h. m. 4 00 22 19½	Means.	¶Reduced means.
Mar. 1.....	577.7	579.	578.6	581.2	578.4	577.9	572.3	568.9	570.8	576.1	577.8	578.2	576.4	463.6
2.....	*	576.6	578.4	580.5	587.9	579.3	572.9	570.3	572.1	570.	576.2	576.9	576.5	463.7
3.....	577.9	577.	579.3	582.	585.1	579.5	567.7	564.3	570.9	567.1	573.9	576.5	575.1	462.3
4.....	576.	578.1	583.1	586.4	587.2	579.3	572.9	571.	575.	576.5	575.	575.2	578.	465.2
5.....	576.	579.2	579.7	582.1	586.2	575.7	570.8	571.	574.6	575.5	579.4	576.7	577.2	464.4
6.....	576.9	578.9	582.	579.2	586.6	574.3	569.5	570.2	573.	576.1	575.8	590.2	577.7	464.9
8.....	577.4	577.1	580.6	583.1	588.7	582.2	572.8	571.2	574.5	580.9	577.8	578.5	577.9	465.1
9.....	580.7	578.9	582.6	584.1	590.7	587.9	576.1	572.	572.3	575.4	577.	578.9	579.7	466.9
10.....	577.7	577.2	580.3	584.	588.	581.9	571.1	565.3	569.3	574.	577.	577.	576.9	464.1
11.....	580.	576.1	581.2	581.7	586.2	583.3	569.6	567.3	573.8	574.6	605.1	†	579.9	467.1
12.....	576.2	574.4	580.5	582.9	584.2	581.3	570.3	567.4	575.2	576.8	576.9	577.	576.9	464.1
13.....	577.	578.	579.	581.3	586.6	576.9	567.1	568.6	575.	576.	575.9	577.	576.5	463.7
15.....	580.6	576.6	588.5	581.4	586.7	577.4	565.4	568.5	574.7	581.1	572.5	590.	578.6	465.8
16.....	570.9	591.5	570.8	587.8	592.7	582.5	562.4	572.8	565.7	578.5	577.7	574.1	577.3	464.5
17.....	567.7	578.3	578.7	576.3	586.9	576.7	569.9	567.2	572.1	573.3	577.5	578.6	575.3	462.5
18.....	574.	573.	577.7	582.5	584.8	571.6	565.8	565.	570.9	575.3	577.9	575.	574.5	461.7
19.....	576.2	577.7	583.2	586.3	585.2	574.2	563.8	565.7	575.	576.	575.4	577.5	576.3	463.5
20.....	586.8	579.3	590.2	582.4	579.5	575.8	567.8	568.1	571.	589.	‡580.	580.	579.2	466.4
22.....	578.3	597.8	583.7	587.3	600.4	558.8	555.4	559.8	560.9	596.4	582.3	589.2	579.2	466.4
23.....	571.9	568.4	584.1	583.7	575.5	580.4	565.5	565.2	563.9	576.7	579.3	578.9	574.5	461.7
24.....	579.7	578.1	581.7	582.2	592.4	580.	569.2	567.3	574.5	582.	587.9	581.6	579.7	466.9
25.....	577.4	573.4	567.1	583.7	588.6	583.9	569.8	563.3	571.6	577.8	584.1	583.6	577.	464.2
26.....	....	576.2	577.3	583.7	587.8	584.	572.6	564.2	568.2	574.7	577.9	577.5	576.7	463.9
27.....	586.2	583.5	579.	582.6	587.2	585.4	570.4	565.2	571.7	577.1	§	577.5	578.7	465.9
29.....	578.	579.8	580.6	582.6	585.8	578.3	570.3	567.	569.5	565.7	586.2	‖	576.7	463.9
30.....	578.	577.2	583.3	582.	584.4	574.2	569.1	569.8	572.5	579.	577.9	578.4	577.1	464.3
31.....	578.1	578.8	580.2	584.	584.6	577.5	570.4	570.7	572.	574.6	575.4	576.9	576.9	464.1
Means.....	577.5	578.5	580.4	582.9	586.6	578.5	568.6	567.7	571.4	576.9	579.2	579.2	577.27	
¶Reduced means	464.7	465.7	467.6	470.1	473.8	465.7	455.8	454.9	458.6	464.1	466.4	466.4		464.4

*49*m*. late, 578.5. †47*m*. late, 576.2. ‡10*m*. late. §41*m*. late, 577.1. ‖ 41*m*. late, 571.6. ¶ Reduced to position of December, 1840; correction, —112.8.

Göttingen time.. Observatory time	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.	Reduced to 32° F.
Mar. 1.....	716.4	702.4	689.3	674.6	664.4	668.7	670.9	692.6	.....	.....	781.4	758.7	701.9	529.1
2.....	*	718.9	693.6	677.7	670.5	681.9	722.8	773.9	820.	810.	795.9	782.6	740.7	524.7
3.....	765.1	746.6	726.6	709.	698.8	699.	708.7	745.2	850.	835.	796.8	776.4	754.8	526.7
4.....	761.4	741.6	727.8	703.7	690.5	692.	704.3	740.9	752.7	754.7	753.	727.7	729.2	537.5
5.....	706.1	680.1	651.6	624.8	606.4	594.4	593.3	600.5	605.8	601.3	601.8	598.	622.	547.8
6.....	592.7	582.4	579.8	567.3	562.4	560.6	558.4	565.6	571.2	578.2	587.8	606.2	576.	538.2
8.....	710.9	700.8	692.7	684.6	678.7	680.2	683.1	692.6	693.4	686.5	675.1	665.2	687.	549.3
9.....	658.5	648.7	639.8	629.9	630.9	645.8	658.9	673.8	690.	697.7	694.4	685.5	662.8	545.4
10.....	675.9	665.1	658.	649.4	643.8	645.3	648.9	653.1	650.6	644.	637.	630.	650.1	547.5
11.....	624.7	621.5	616.9	610.8	610.3	627.4	659.6	678.5	690.5	699.3	702.6	†	649.3	535.9
12.....	679.5	666.1	646.6	629.1	615.5	609.4	605.5	603.8	611.3	608.6	605.9	603.1	623.7	548.1
13.....	600.9	601.2	605.1	613.7	618.7	628.1	645.	665.3	679.9	680.5	679.1	675.3	641.1	538.5
15.....	645.7	620.6	603.6	553.	531.7	532.2	543.	569.3	587.8	599.1	603.4	612.5	583.5	544.4
16.....	615.1	611.8	593.2	585.	580.6	583.7	581.9	579.4	575.	548.6	531.8	534.1	576.7	552.4
17.....	538.1	516.5	507.5	499.2	493.3	500.1	529.	538.2	538.2	530.2	525.3	524.7	520.	549.7
18.....	527.5	530.9	518.3	515.9	516.3	527.8	543.2	549.	555.9	571.9	581.7	592.9	544.3	534.9
19.....	605.2	611.5	613.4	609.1	614.5	643.4	680.	670.7	742.8	760.	774.4	771.1	674.7	534.3
20.....	773.	761.2	736.8	718.2	709.3	722.	751.9	773.3	833.	857 5	876.2	883.	782.9	546.7
22.....	839.6	820.6	775.7	751.6	732.9	723.5	733.7	755.6	751.4	768.4	768.5	768.2	765.8	552.5
23.....	755.4	776.1	756.9	746.2	754.5	779.2	809.	831.6	843.9	844.9	840.6	829.2	797.3	551.6
24.....	806.4	794.5	766.3	748.1	730.8	741.	769.2	808.2	828.1	850.8	871.	874.3	799.1	544.
25.....	864.6	855.5	837.4	813.9	803.2	814.1	843.3	879.7	911.9	932.7	936.9	920.	867.8	554.6
26.....	910.	890.1	858.7	832.5	818.	825.2	861.1	832.1	942.8	964.9	975.	974.4	890.4	552.9
27.....	963.2	952.4	934.8	917.5	908.1	913.9	932.9	962.	992.	1018.	‡	1027.	956.5	569.1
29.....	970 2	945.1	919.1	896.9	870.6	849.1	829.3	809.3	790.3	780.	767.8	§	857.1	573.6
30.....	770.5	762.6	755.	752.	748.	756.8	757.1	754.8	751.5	752.	746.9	736.1	753.6	555.2
31.....	723.5	707.4	687.6	667.	658.	673.	705.8	.....	779.9	777.9	767.6	750.9	718.1	558.8
Means.....	723.1	712.3	696.	680 8	672.6	678.4	693.7	707.7	732.3	736.6	726.1	732.3	707.22	
Reduced to 32° F.	557.1	557.1	554.3	549.9	544.4	538.0	531.7	525.5	535.2	549.	553.3	556.8		545.76

* Thirty-two minutes late, 735. † Forty-nine minutes late, 689. ‡ Forty minutes late, 1028.4. § Forty-three minutes late, 766.4.

Göttingen time / Observatory time	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means.
Mar. 1	45.3	44.4	43.6	42.7	42.	42.5	44.	45.1	....	....	50.	48.	44.8
2	....	45.7	44.1	43.1	43.	45.	49.	51.8	54.	52.	50.8	49.8	48.
3	48.9	47.4	46.	45.	44.3	45.	47.3	50.2	59.5	52.8	50.9	49.8	48.9
4	48.8	47.2	45.5	44.6	44.2	44 2	46.	47.8	47.8	48.5	46.3	44.	46.2
5	43.	41.	39.	37.	36.	35.6	36.2	37.2	36.6	36 6	36.	36.	37.5
6	35.5	34.8	34.	33.8	33.	33.4	34.1	34.8	34.8	35.	37.	38.	34.8
8	43.8	43.	42.4	42.	41.8	42.	42.5	43.5	43.	41 8	40.9	40.	42.2
9	40 1	39.5	38.9	38.4	39.	40.	41.	42.5	43.5	42.8	42.	41.	40.7
10	41.	40.6	40.	39.7	39.5	39.5	40.	40.4	40.	38.8	38.3	38.	39.6
11	38.	37.9	37.5	37.1	37.5	39.5	42.	43.	44.	44 8	43.	....	40.4
12	41.1	40.	38 9	37.8	37.	36.5	37.	37.5	37.4	36 3	36.3	36.	37.6
13	36.8	36 9	37.2	37.8	38.	39.	40.5	42.3	42.2	41.8	42.	41.2	39.6
15	37.2	35.3	33.7	32.	31.3	32.	34.4	36.	37.	36.9	36.9	36.2	34.9
16	36.3	36.	35 5	35.	34.9	35.	35.3	35.	35.	29.4	29.4	28.9	33.8
17	30.9	30.1	29.7	28.9	28.9	30.2	30.	30.	30.	29.	29.	31.	29.8
18	31.	30.8	30.7	30.6	30.8	31.9	32 8	33.7	34.4	34.8	35.4	36.	32.7
19	37.1	37.2	37.1	36.8	38.	40.2	43.2	46.3	47.8	49.1	48.9	47.7	42.4
20	47.	45.8	44.3	43.9	44.	45.5	48.8	53.	54.	55.3	56.4	56.5	49.5
22	51.1	49.5	47.5	46.	44.9	45.5	47.4	49.	49.4	48.8	48.	47.	47.8
23	46.9	46.3	46.4	46.8	48.4	50.3	52.4	54.	54.6	53.7	52.2	51.	50.2
24	50.2	48.8	47.2	45.9	45.9	47.5	50.4	52.9	55.	56.3	56.	55.1	50.9
25	54.1	53.	51.4	50.5	50.8	52.5	55.	58.	60.	59.7	58.6	58.3	55.2
26	56.5	55.	53.	51.5	51.5	53.2	57.	59.8	61.5	62.	61.7	61.	57.
27	60.1	59.1	58.2	57.3	57.	58.3	60.3	62.8	64.8	64.8	....	64.8	60.7
29	60.	58.3	57.	55.3	53.3	52.	51.	50.	49 5	48.7	48.	....	53.
30	47.8	47.2	46.9	46.3	46.5	47.2	47.2	47.2	47.2	46.8	45.9	44.8	46.7
31	44.1	42.8	41.	40.	40.	42.	44.3	....	48.7	47.6	46.	45.	43.8
Means	44.3	43.5	42.5	41.7	41.5	42.4	44.	45.5	46.6	45.9	44.8	45.	43.96

Degrees Fahrenheit.

Göttingen time.. Observatory time	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
Mar. 1.....	1143.	1141.9	1130.1	1129.1	1133.7	1136.6	1142.8	1141.	1162.5	1170.	1161.1	1163.4	1146.3	1107.3
2.....	* *	1146.3	1134.9	1128.7	1140.1	1151.6	1151.3	1171.5	1158.7	1172.5	1162.8	1153.9	1152.	1107.9
3.....	1156.8	1148.6	1133.6	1136.	1141.5	1151.8	1164.4	1155.4	1131.5	1165.	1165.7	1150.5	1150.1	1105.1
4.....	1144.1	1139.7	1133.1	1124.5	1136.5	1154.4	1152.3	1135.1	1136.2	1132.2	1134.7	1139.8	1138.5	1098.9
5.....	1134.5	1130.8	1117.7	1099.8	1101.	1111.8	1090.4	1080.2	1096.3	1103.2	1104.2	1110.	1115.	1101.8
6.....	1105.	1104.6	1111.9	1093.2	1105.3	1117.1	1108.8	1089.2	1076.5	1100.	1100.	1151.3	1105.2	1098.6
8.....	1141.8	1126 9	1117.4	1116.3	1145.1	1169.6	1157.1	1134.3	1127.7	1153.	1116.3	1121.6	1135.6	1105.9
9.....	1109.	1113.9	1112.	1104.8	1115.1	1135.3	1134.8	1130.6	1120.	1109.4	1125.7	1125.1	1119.6	1095.3
10.....	1106.2	1108.9	1104.1	1094.7	1108.6	1125.9	1136.1	1126.	1125.2	1109.1	1100.3	1112.8	1113.2	1091.3
11.....	1115.3	1106.5	1096.2	1091.2	1094.7	1113.4	1117.7	1103.7	1125.	1145.2	1111.1	†	1110.9	1087.5
12.....	1121.	1130.	1092.5	1096.	1102.3	1117.	1134.1	1105.1	1096.9	1098.8	1096.3	1096.7	1107.2	1091.6
13.....	1092.4	1091.1	1091.3	1094.4	1117.2	1151.5	1151.4	1130.9	1118.7	1118.9	1116.8	1117.1	1116.	1093.2
15.....	1213.	1157.	1172.7	1139.7	1145.5	1196.6	1203.3	1117.5	1135.5	1162.2	1140.4	1150.8	1161.2	1154.9
16.....	1147.	1158.9	1129.9	1108.1	1105.5	1161.9	1196.6	1107.8	1142.8	1151.	1137.6	1104.8	1137.7	1131.1
17.....	1093.4	1097.4	1096.	1094.9	1101.	1158.1	1136.3	1133.	1096.	1133.4	1121.3	1132.8	1116.1	1123.
18.....	1124.6	1109.3	1102.3	1087.7	1120.8	1138.6	1149.7	1113.7	1126.1	1112.9	1117.	1112.7	1117.9	1116.4
19.....	1117.9	1116.8	1123.8	1114.	1150.6	1174.	1181.5	1165.	1153.5	1156.7	1163.8	1160.	1148.1	1116.6
20.....	1158.	1143.3	1162.9	1151.	1150.9	1166.9	1181.7	1158.4	1186.4	1167.9	‡1220.8	1205.3	1171.1	1119.2
22.....	1186.9	1179.7	1141.8	1130.1	1163.	1253.6	1242.9	1125.5	1257.2	1173.	1205.	1132.7	1182.6	1136.7
23.....	1186.3	1223.8	1180.5	1173.7	1203.2	1216.3	1239.3	1202.	1197.8	1219.3	1193.4	1242.9	1206.5	1152.8
24.....	1167.	1162.4	1173.8	1155.8	1159.9	1194.2	1180.4	1159.3	1204.1	1234.7	1260.8	1219.2	1189.3	1134.4
25.....	1205.2	1179.6	1176.3	1179.1	1188.7	1200.7	1212.7	1184.8	1209.	1209.7	1229.	1231.5	1200.5	1132.7
26.....	1207.4	1181.7	1180.9	1170.	1177.3	1214.4	1230.8	1233.1	1217.8	1207.4	1210.	1190.2	1201.7	1127.9
27.....	1171.	1195.3	1186.	1181.7	1193.	1231.3	1257.8	1238.1	1214.2	1206.7	§	1211.	1207.8	1121.4
29.....	1202.9	1193.1	1183.5	1166.	1169.	1185.4	1186.5	1156.	1124 6	1159.1	1224.5	‖	1177.3	1116.1
30.....	1153.9	1148.2	1149.6	1150.1	1153.8	1200.7	1163.7	1151.1	1159.8	1160.4	1153.1	1140.8	1157.1	1114.8
31.....	1137.9	1135.1	1123.4	1120.6	1139.3	1153.1	1154.2	1149.6	1146.8	1147.7	1138.3	1142.2	1140.7	1105.9
Means.....	1147.7	1143.4	1135.5	1127.1	1139.4	1166.	1168.8	1144.4	1153.6	1154.8	1154.2	1152.8	1148.94	
Reduced to 32° F.	1112.	1110.7	1105.8	1100.1	1111.8	1136.3	1134.9	1106.	1111.9	1113.7	1116.1	1114.4		1114.47

* Thirty-four minutes late, 1155. † Forty-seven minutes late, 1122. ‡ Nine minutes late. § Forty minutes late, 1212.1. ‖ Thirty-five minutes late, 1148.

26

Göttingen time / Observatory time	h. m. 6 02½ / 0 22	h. m. 8 02½ / 2 22	h. m. 10 02½ / 4 22	h. m. 12 02½ / 6 22	h. m. 14 02½ / 8 22	h. m. 16 02½ / 10 22	h. m. 18 02½ / 12 22	h. m. 20 02½ / 14 22	h. m. 22 02½ / 16 22	h. m. 0 02½ / 18 22	h. m. 2 02½ / 20 22	h. m. 4 02½ / 22 22	Means.
Mar. 1	45.1	44.1	43.1	42.1	41.9	42.	44.	45.2	47.5	49.	48.	47.8	45.
2	....	45.2	43.5	42.3	42.5	43.5	46.8	49.2	51.1	50.8	50.2	49.	46.7
3	48.1	47.	45.4	44.2	43.8	44.	45.	47.8	49.3	50.8	49.8	49.	47.
4	47.8	46.3	45.	43.8	43.6	43.5	44.5	46.	46.5	46.5	46.	43.5	45.2
5	42.1	40.1	38.	35.9	34.7	34.5	35.	36.	35.8	35.	35.	35.	36.4
6	34.7	34.	33.	32.9	32.5	32.8	33.2	34.	34.3	35.1	36.5	38.	34.2
8	43.8	42.9	42.1	41.7	41.5	41.5	42.5	43.2	43.	41.3	40.3	39.5	41.9
9	39.1	38.7	38.	37.4	38.3	39.	40.	41.8	43.	42.8	42.	41.	40.1
10	40.5	39.8	39.1	38.8	38.8	39.	39.8	40.2	40.	38.9	38.3	38.	39.3
11	37.8	37.2	37.	36.4	37.	39.	41.	42.5	43.5	43.3	42.8	....	39.8
12	40.8	39.4	38.1	36.9	36.2	36.	37.	37.	37.	36.1	36.	36.	37.2
13	36.	36.2	37.	37.7	38.	39.3	41.	42.4	42.7	42.	42.	41.3	39.6
15	37.	34.7	32.7	31.1	30.	30.5	32.5	35.	36.5	36.4	36.3	36.	34.1
16	36.	35.4	35.	34.8	34.3	35.	36.	35.4	35.	31.9	31.	30.5	34.2
17	30.1	29.7	29.	28.2	28.2	30.	30.	30.2	30.3	29.2	30.8	31.	29.7
18	30.8	30.3	30.1	30.	30.2	31.5	32.6	33.7	34.5	35.	35.4	36.	32.5
19	37.4	37.7	37.2	37.	38.5	40.7	43.	45.5	47.8	49.	49.	47.	42.5
20	47.	45.8	44.2	43.2	44.	45.2	48.	51.4	53.9	55.6	56.8	57.	49.3
22	51.	48.9	47.	45.2	44.9	45.	46.3	48.	49.	48.	47.5	46.4	47.3
23	46.2	46.	45.9	46.	47.5	49.5	52.	54.	55.	53.8	52.2	50.7	49.9
24	49.3	47.9	46.2	45.	46.3	47.	49.	51.7	55.	56.	55.8	55.	50.3
25	54.	52.6	51.	50.	50.	51.5	53.5	56.7	60.	60.	59.	57.3	54.6
26	56.2	54.3	52.2	50.9	52.	53.	56.	58.4	61.3	62.	61.7	61.	56.6
27	60.	59.	57.9	57.	58.	59.	60.3	63.	65.	65.	....	64.7	60.8
29	60.	58.1	56.3	54.8	53.	51.4	50.2	49.	48.5	47.7	47.	....	52.4
30	46.8	46.2	46.	45.8	46.	46.7	46.9	46.5	46.9	46.	45.7	44.	46.1
31	43.7	42.1	40.2	39.	41.	41.4	43.3	45.4	48.	47.3	46.3	45.	43.6
Means	43.9	42.9	41.9	41.	41.2	41.9	43.3	44.8	45.9	45.7	44.7	44.8	43.49

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	Temperature Fahrenheit.	h. m.	h. m.	h. m.	Temperature Fahrenheit.
Göttingen time.....	13 52½	14 00	14 07½	13 50	13 57½	14 05		13 55	14 02½	14 10	
Observatory time	8 12	8 19½	8 27	8 09½	8 17	8 24½		8 14½	8 22	8 29½	
Mar. 1.....	574.4	578.4	579.8	664.	664.4	663.7	42.	1142.	1133.7	1134.1	41.9
2.....	587.2	587.9	587.8	670.7	670.5	670.3	43.	1138.5	1140.1	1141.7	42.5
3.....	586.4	585.1	584.8	700.2	698.8	698.7	44.3	1144.	1141.5	1141.1	43.8
4.....	586.9	587.2	587.1	690.7	690.5	690.1	44.2	1136.	1136.5	1139.5	43.6
5.....	586.2	586.2	586.2	606.7	606.4	604.5	36.	1096.9	1101.	1102 5	34.7
6.....	586.8	586.6	586.8	563.1	562.4	561.8	33.	1101.9	1105.3	1105.4	32.5
8.....	588.9	588.7	589.	679.1	678.7	678.8	41.8	1144.3	1145.1	1146.9	41.5
9.....	590.	590.7	588.9	630.4	630.9	631.	39.	1116.2	1115.1	1115.	38.3
10.....	587.4	588.	587.3	644.	643.8	643.7	39.5	1107.7	1108.6	1109.9	38.8
11.....	586.8	586.2	584.8	610.1	610.3	610.2	37.5	1098.1	1094.7	1091.7	37.
12.....	583.3	584.2	583.6	615.7	615.5	614.2	37.	1107.6	1102.3	1101.8	36.2
13.....	586.9	586.6	586.8	618.3	618.7	619.7	38.	1113.6	1117.2	1121.3	38.
15.....	584.9	586.7	591.6	531.9	531.7	531.8	31.3	1138.2	1145.5	1137.6	30.
16.....	591.9	592.7	592.1	580.9	580.6	580.6	34.9	1105.	1105.5	1105.8	34.3
17.....	586.8	586.9	586.3	493.8	493.3	493.3	28.9	1098.5	1101.	1102.2	28.2
18.....	584.8	584.8	584.1	516.1	516.3	516.9	30.8	1117.1	1120.8	1128.5	30.2
19	585.3	585.2	585.1	613.2	614.5	615.8	38.	1151.8	1150.6	1151.7	38.5
20.....	580.	579.5	580.3	709.1	709.3	710.1	44.	1157.3	1150.9	1153.	44.
22.....	608.1	600.4	604.2	734.9	732.9	732.5	44.9	1173.8	1163.	1165.4	44.9
23.....	576.	575.5	576.6	754.1	754.5	755.2	48.4	1210.3	1203.2	1210.2	47.5
24.....	589.7	592.4	592.8	730.6	730.8	730.1	45.9	1159.9	1159.9	1159.7	46.3
25.....	.....	588.6	.....	.....	803.2	.....	50.8	.....	1188.7	.....	50.
26.....	590.	587.8	589.2	819.	818.	818.	51.5	1169.3	1177.3	1179.7	52.
27.....	587.7	587.2	587.9	908.3	908.1	908.6	57.	1189.8	1193.	1196.2	58.
29.....	586.2	585.8	585.1	871.	870.6	869.	53.3	1171.	1169.	1173.8	53.
30.....	565.	584.4	584.	747.8	748.	748.1	46.5	1151.	1153.8	1154.2	46.
31.....	585.	584.6	583.6	658.2	658.	658.3	40.	1139.4	1139.3	1139.6	41.

Göttingen time.. Observatory time.	h. m. 6 00 0 19½	h. m. 8 00 2 19½	h. m. 10 00 4 19½	h. m. 12 00 6 19½	h. m. 14 00 8 19½	h. m. 16 00 10 19½	h. m. 18 00 12 19½	h. m. 20 00 14 19½	h. m. 22 00 16 19½	h. m. 0 00 18 19½	h. m. 2 00 20 19½	h. m. 4 00 22 19½	Means.	*Reduced means.
April 1.....	580.9	582.1	583.8	587.4	589.8	582.	568.3	566.6	574.3	577.	577.5	577.7	578.9	466.1
2.....	578.9	581.1	582.9	586.9	591.4	585.6	570.3	564.8	571.5	576.5	577.1	575.9	578.6	465.8
3.....	580.2	584 2	590.2	586.	586.7	579.6	566.8	565.	572.6	581.2	580.8	575.5	579.1	466.3
5.....	578.	579.	580.4	584.9	588.5	581.1	565.	558.7	570.	578.3	577.3	585.2	577.2	464.4
6.....	577.9	578.2	579.4	583.3	592.5	584.	565.2	564.2	573.5	578.	577.4	578.5	577.7	464.9
7.....	578.2	590.5	581.7	587.4	588.6	583.	568.8	567.1	575.8	579.	578.9	579.4	579.9	467.1
8.....	585.4	585.1	596.4	579.6	577.7	578.8	560.1	563.5	573.9	581.	579.3	580.2	578.4	465.6
9.....	576.6	579.6	579.5	584.6	591.3	587.9	575.	566.7	571.9	577.4	578.6	584.	579.4	466.6
10.....	580.	581.1	580.5	582.4	586.4	582.3	570.	565.	569.9	574.7	574.8	577.8	577.1	464.3
12.....	581.	582.9	589.8	582.6	588.7	576.6	565.8	561.7	570.8	588.3	578.4	586.	579.4	466.6
13.....	.....	578.8	579.2	576.9	572.8	570.8	564.9	562.	570.2	577.	578.1	580.3	573.7	460.9
14.....	580.	579.8	580.	585.6	590.	582.1	562.8	564.4	573.	577.3	579.3	598.	579.4	466.6
15.....	584.5	583.	581.1	583.2	586.1	579.	570.5	567.5	572.5	576.1	578.6	579.2	578.4	465.6
16.....	579.	579.7	583.9	586.	582.3	575.1	574.1	567.4	568 2	568.	573.4	593.2	577.5	464.7
17.....	579.	583.	586.7	587.2	589.	582.2	568.4	557.4	567.3	586.8	598.9	572.4	579.9	467.1
19.....	577.6	586.6	582.5	586.6	587.3	577.	570.5	565.5	566.5	567.	571.1	578.4	576.4	463.6
20.....	583.1	584.8	573.	589.5	588.2	581.8	569.1	567.3	573.9	573.1	587.9	594.	580.5	467.7
21.....	600.	585.6	573.1	588.	588.	577.6	574.	571.5	574.1	582.	583.	578.7	581.3	468.5
22.....	580.5	583.	586.9	589.	585.7	579.	564.9	568.7	569.	570.6	573.8	577.6	577.4	464.6
23.....	580.5	579.9	577.9	587.5	590.	578.2	571.	568.5	573.3	578.	581.3	579.2	578.8	466.
24.....	579.4	581.4	585.4	581.4	583.	574.7	567.2	562.1	567.2	577.1	584.3	583.	577.2	464.4
26.....	582.	583.8	582.6	585.9	585.	582.	574.7	569.	569.2	573.7	575.8	580.6	578.7	465.9
27.....	†590.3	589.8	587.3	589.6	585.2	576.4	572.	570.	574.1	574.2	580.4	575.7	580.4	467.6
28.....	577.1	580.4	581.5	582.5	584.	573.8	565.7	567.2	572 3	572.	577.5	575.9	575.8	463.
29.....	579.6	579.	582.	588.	586.4	576.	567.6	568.9	571.6	575.7	577.2	579.1	577.6	464.8
30.....	‡	574.9	593.1	596.	587.7	578.2	568.1	570.4	576.7	582.	593.3	579.	581.8	469.
Means.....	581.2	582.2	583.1	585.7	586.6	579.4	568.5	565.8	571.7	577.	579.8	580.9	578.48	
*Reduced means.	468.4	469.4	470.3	472.9	473.8	466.6	455.7	453.	458.9	464.2	467.	468.1		465.68

* Reduced to the position of December, 1840; correction, —112.8. † Three minutes late. ‡ Fifty-nine minutes late, 583.

Göttingen time.. Observatory time.	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.	Reduced to 32° F.
April 1.....	737.3	727.	719.6	716.8	719.8	732.7	749.8	.....	821.7	839.2	852.6	853.4	770.	559.4
2.....	847.4	839.	830.3	819.	816.5	833.6	870.6	902.3	931.4	951.1	951.5	926.1	876.6	566.1
3.....	882.9	841.3	803.1	778.2	768.3	767.5	775.6	780.9	796.6	812.9	824.3	816.4	804.	567 8
5.....	779.6	790.8	799.3	803.1	805.2	817.3	832.2	855.4	874.5	896.	898.3	890.6	836.9	560.2
6.....	873.1	856.5	840.4	825.5	814.7	814.5	828.9	.....	877.7	875.6	871.9	855.4	848.6	573.2
7.....	837.	829.9	804 6	793.	787.7	794.	802.3	805.	816.9	830.9	843.8	845.	815.8	566.1
8.....	841.4	824.1	826.9	809.3	797.1	789.	802.2	803.5	823.	850.1	863.6	861.3	824.3	566.5
9.....	846.4	823.7	804.5	788.8	783.5	795.8	824.	854.9	*	952.8	968.7	974.	856.1	567.2
10.....	973.1	970.5	953.6	926.1	895.6	880.9	864.1	844.3	822.	798.3	781.	761.6	872.6	598.6
12.....	721.7	708.	699.4	689.4	679.7	672.	680.	677.1	666.	657.9	652.6	641.8	678.8	568.1
13.....	.....	628 9	624.7	621.9	629.6	666.3	724.3	.....	.....	822.8	799.4	777.7	699.5	565.9
14.....	765.5	751.5	736.4	723.7	714.9	728.6	758.6	.....	801.8	805.5	798.6	783.8	760.8	574.5
15.....	757.4	732.1	707.8	687.9	683.4	692.5	715.4	.....	.....	824.9	804.9	786.4	739.3	578.7
16.....	766.9	745.9	725.5	707.1	702.6	722.4	770.1	750.	839.3	838.	839.5	838.3	770.5	566.7
17.....	823.4	811.9	804.3	799.2	798.8	809.8	821.4	832.5	854.5	840.	885.	903.8	832.	579.6
19.....	878.8	862.5	810.2	784.2	772.5	780.5	794.7	808.1	823.	837.3	857.9	852.2	821.8	581.5
20.....	853.2	829.3	827.2	807.1	795.8	804.8	810.9	812.5	811.	821.8	829.8	836.1	820.	581.
21.....	858.9	839.	839.3	841.5	846.1	859.1	876.7	901.4	906.	899.3	888.1	883.3	876.2	591.4
22.....	860.7	845.5	837.1	819.6	818.	830.1	834.9	836.5	835.4	829.2	833.5	820.4	833.4	579.6
23.....	821.	806.8	†802.1	796.2	798.6	814.	843.6	855.	865.1	879.9	885.7	886.1	837.8	575.9
24.....	885.7	874.8	871.3	867.6	867.7	875.9	884.6	‡894.7	963.5	947.6	948.	950.3	902.6	584.
26.....	969.8	954.1	936.5	924.	917.	917.	922.2	932.5	947.1	974.1	984.	981.9	946.7	584.9
27.....	§973.9	962.2	948.	931.8	926.	925.5	925.6	925.2	931.	934.8	913.2	915.5	936.9	592.7
28.....	892.2	869.	843.3	823.	819.6	832.7	857.2	879.1	904.1	927.9	924.1	928.7	875.1	575.4
29.....	922.	900.3	876.7	858.5	850.2	850.1	841.3	829.4	814.3	808.2	803.1	803.	846.4	584.5
30.....	‖	806.7	799.5	801.	807.9	820.9	828.8	835.	842.2	843.4	839.1	828.9	823.	573.3
Means.....	848.7	824.3	810.4	797.8	793.	801.1	816.9	838.8	850.8	857.7	860.5	853.9	828.4	
Reduced to 32° F.	586.8	582.6	580.9	577.8	570.3	568.9	549.6	559.4	564.6	572.9	583.8	589.3		574.7

* Twenty-five minutes late, 920.1. † One minute late. ‡ Three minutes late. § Four minutes late. ‖ Fifty-nine minutes late, 805.1.

Göttingen time Observatory time	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.
April 1	44.8	44.1	41.	44.	44.3	45.2	46.8	....	52.	53.	53.	52.8	47.6
2	52.4	51.9	51 1	50.3	51.	53.	56.3	58.5	60.	59.9	59.8	56.	55.
3	53.8	51.	48.3	46.9	46.4	47.	48.5	49.5	50.5	51.3	51.	50.	49.5
5	49.2	49.9	50.1	50.2	50.2	51.	53.	54.3	56.5	56.	55.2	54.3	52.5
6	53 9	52.5	51.7	50.9	50.2	50.8	52.3	....	54.8	54.3	53.4	52.	52.4
7	51.2	50.1	49.2	48.8	49.	49.	50.	50.7	51.5	52.	52.5	52.	50.5
8	51.3	50.6	49.9	49.1	48.6	48.5	50.	51.4	53.	54.	53.8	52.8	51.1
9	51.8	50.3	49.2	48.7	49.	50.4	52.5	55.3	....	59.9	60.	60.	53.4
10	60.	59.2	57.7	55.5	54.	52.6	52.	51.	48.8	47.	46.	44.3	52.3
12	42.8	42.	41.1	40.8	40.	39.6	41.	40.	40.	38.9	38.	38.2	40.2
13	....	37.	37.	36.5	38.	41.5	45.3	....	....	49.	47.	45.9	41.9
14	45.7	45.	44.	43.1	43 2	43.7	47.	....	49.2	48.9	47.7	45.8	45.8
15	44.9	43.	41.7	40.5	41.	41.8	43.7	....	....	48.9	47.5	46.2	43.9
16	45.5	44.	42.6	41.7	42.2	44.4	48.5	51.5	51.9	51.7	51.	50.	47.1
17	49.2	48.6	48.3	48.1	48.6	49.5	50.3	52.	52.	54.8	55.	55.	50.9
19	52.	50.	48.	46.3	46.5	47 5	49.	50.3	52.	52.8	51.9	50.9	49.8
20	50.2	49.2	48.3	47.9	48.3	49.	49.7	50.	51.	51.	51.	51.	49.7
21	51.1	51.1	51.2	51.	52.	52.9	54.7	56.	56.	54.7	54.	52.1	53.1
22	52 6	51.	50.	49.7	50.6	50.7	51.6	51.5	51.5	50.6	50.	49.3	50.8
23	49.3	49.	48.8	48.7	49.2	50.6	52.2	53.	54.	54.	54.	54.	51.4
24	54.1	53.2	53.2	53.	53.	54.	54.8	56.	59.6	58.8	59.	58.8	55.6
26	59.3	58.3	57.2	56.9	56.5	57.	57.6	59.	61.	61.3	61.1	60.1	58.8
27	59.5	58.4	57.8	57.	57.	57.	57.5	58.	58.2	58.	56.9	55.2	57.5
28	54.2	52.6	51.	50.	50.6	52.	54.	56.	58.	58.	57.7	56.8	54.2
29	56.1	54.8	53.1	52.	52.1	51.3	50.6	49.9	49.7	49.1	49.	49.	51.4
30	....	49.6	49.2	49.1	50.	50.4	51.2	52.	51.7	51.7	50.9	49.6	50.5
Means	51.4	49.9	49.	48.3	48.5	49.2	51.8	52.7	53.2	53.1	52.5	51.6	50.8

Degrees Fahrenheit.

Göttingen time.. Observatory time	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
April 1.....	1134.3	1133.8	1128.1	1128.8	1135.9	1165.6	1188.7	1161.	1151.6	1152.	1148.4	1148.7	1148.1	1101.
2.....	1145.3	1144.	1139.1	1134.	1151.3	1193.6	1220.7	1199.8	1177.7	1173.3	1171.5	1166.6	1168.1	1098.2
3.....	1156.3	1133.6	1088.9	1139.5	1140.3	1194.5	1206.5	1165.	1155.2	1170.4	1190.1	1175.3	1159.6	1108.9
5.....	1145.9	1147.2	1140.3	1140.2	1168.3	1204.6	1223.7	1194.4	1160.6	1160.	1163.6	1157.2	1167.2	1106.
6.....	1160.4	1156.1	1147.	1143.8	1173.7	1219.9	1220.7	1163.4	1150.2	1147.1	1158.6	1153.	1166.2	1105.9
7.....	1143.8	1154.7	1140.9	1132.2	1162.7	1188.6	1188.	1151.2	1142.2	1147.9	1153.5	1154.2	1155.	1099.8
8.....	1161.8	1141.8	1134.2	1155.7	1203.5	1211.6	1271.5	1171.	1154.1	1164.9	1178.	1175.2	1176.9	1120.2
9.....	1153.1	1156.4	1144.1	1136.	1157.7	1197.4	1220.9	1204.5	1166.7	1175.	1182.5	1181.6	1173.	1107.3
10.....	1186.	1182.9	1165.8	1161.	1177.3	1200.5	1176.	1148.2	1129.3	1125.	1120.6	1118.1	1157.6	1097.3
12.....	1138.	1128.1	1111.2	1114.	1131.9	1157.8	1178.5	1159.2	1124.2	1141.3	1126.2	1140.	1137.5	1114.4
13.....	.....	1109.1	1103.6	1098.	1138.4	1141.4	1173.3	1156.2	1145.3	1143.6	1142.6	1144.7	1136.	1103.9
14.....	1144.6	1141.7	1132.	1124.8	1137.5	1188.9	1200.9	1137.1	1138.9	1139.1	1168.5	.....	1150 4	1109.
15.....	1155.7	1137.8	1125.8	1111.8	1125.5	1145.7	1145.6	1121.1	1124.1	1136.2	1138.7	1153.7	1135.1	1100.3
16.....	1137.8	1134.9	1122.6	1110.5	1143.1	1147.4	1147.2	1145.	1137.8	1155.7	1163.	1124.9	1139.2	1095.4
17.....	1118.4	1116.	1113.1	1121.5	1136.9	1149.3	1207.3	1188.7	1157.4	1159.5	1213.9	1217.9	1166.7	1110.
19.....	1200.	1199.7	1160.3	1152.6	1152.1	1211.	1177.6	1157.	1165.3	1201.3	1185.2	1219.	1181.8	1130.8
20.....	1206.6	1179.4	1173.	1147.4	1184.8	1210.7	1251.4	1168.	1192.7	1199.3	1174.	1191.1	1189.9	1137.7
21.....	1212.1	1177.	1201.	1156.9	1195 9	1222.6	1196.4	1177.7	1173.6	1186.3	1201.4	1159.9	1188.4	1125.7
22.....	1180.7	1181.	1163.1	1162.3	1187.2	1211.1	1204.2	1175.9	1183.5	1204.	1178.1	1176.	1183.9	1129.9
23.....	1157.7	1164.3	1155.	1155.1	1184.2	1223.4	1208.8	1170.7	1177.	1163.9	1177.6	1177.	1176.2	1118.3
24.....	1163.	1170.9	1158.2	1162.2	1170.3	1241.4	1212.2	1193.4	1207.8	1201.1	1229.	1205.9	1192 9	1122.1
26.....	1218.	1216.1	1203.8	1193.2	1203.1	1208.7	1187.3	1178.	1198.8	1211 8	1224.5	1223.4	1205.6	1125.2
27.....	*1243.2	1210.7	1209.9	1193.1	1208.4	1187.7	1150.	1142.	1157.	1178.	1191.9	1184.3	1188.	1112.1
28.....	1173.8	1167.2	1153.4	1146.1	1163.9	1180.8	1173.2	1158.8	1157.	1178.7	1202.7	1193.3	1170.7	1105.3
29.....	1177.3	1171.8	1162.4	1170.6	1183.	1197.9	1176.7	1146.1	1132.9	1138.5	1150.6	1142.1	1162.5	1105.5
30.....	.....	1136.7	1129.	1113.8	1172.1	1167.3	1162.	1150.7	1146.8	1145.6	1165.2	1141.7	1148.3	1094.
Means.....	1167.2	1157.4	1146.4	1142.5	1165.	1191.1	1195.	1164.8	1158.	1169.2	1173.	1169.	1166.54	
Reduced to 32° F.	1109.6	1103.4	1096.9	1095.4	1121.8	1140.4	1140.4	1105.1	1095.6	1105.9	1111.2	1109.6		1111.04

* Two minutes late.

Göttingen time / Observatory time	h. m. 6 02½ / 0 22	h. m. 8 02½ / 2 22	h. m. 10 02½ / 4 22	h. m. 12 02½ / 6 22	h. m. 14 02½ / 8 22	h. m. 16 02½ / 10 22	h. m. 18 02½ / 12 22	h. m. 20 02½ / 14 22	h. m. 22 02½ / 16 22	h. m. 0 02½ / 18 22	h. m. 2 02½ / 20 22	h. m. 4 02½ / 22 22	Means.
April 1	44.6	44.	43.7	43.5	44.	45.	46.6	49.	52.	53 5	53.3	52.8	47.7
2	52.3	51.7	50.8	50.	52.	53.2	56.3	59.5	61.	60.9	59.6	56.2	55.3
3	52.9	49.8	47.	45.3	49.	47.	47.	48.	50.	51.	50.6	49.2	48.9
5	48.8	49.2	49.9	50.	50.5	51.3	52.4	54.	57.	56.3	55.7	54.3	52.4
6	53.4	52.1	51.	50.	49.6	50.2	51.5	53.2	54.5	54.8	53.1	52.	52.1
7	50.8	49.3	48.5	48.	48.3	49.	50.	51.	52.	52.7	52.9	52.	50.4
8	51.3	50.	49.1	48.4	48.	48.2	49.8	51.4	53.4	54.	51.	52.8	50.9
9	51.5	49.9	48.8	48.	49.6	51.	52.8	55.5	59.4	60.1	60.3	60.1	53.9
10	60.2	59.7	57.8	55.4	53.4	52.	51.5	51.2	48.	46.3	45.5	43.9	52.1
12	42.2	41.2	40.7	40.	39.5	39.5	40.5	40.	39.5	38.9	38.	37.	39.7
13	....	36.5	36.	35.8	37.8	40.9	44.8	47.	48.8	48.4	47.4	46.	42.7
14	45.8	44.9	43.9	43.	43.	43.9	46.	47.8	48.4	49.	47.7	....	45.8
15	44.3	42.7	40.9	40.	41.4	42.	42.5	44.	45.9	47.2	46.9	46.	43.6
16	45.2	43.9	42.1	41.2	43.3	44.1	46.7	48.8	50.3	52.	51.4	50.	46.6
17	49.	48.2	47.9	47.7	48.	49.	50.	52.	53.2	55.	55.1	55.3	50.9
19	51.2	49.	46.8	45.8	46.6	46.6	47.5	49.	51.	52.3	52.	50.8	49.
20	50.	48.9	48.	47.1	48.	48.2	49.	49.9	50.6	51.	51.	51.	49.4
21	51.	51.	51.	50.9	51.6	52.5	54.6	56.	56.	55.	53.6	51.7	52.9
22	51.4	49.5	49.8	48.	49.	50.1	50.7	51.	51.	50.1	49.5	49.	50.
23	48.9	48.2	48.	48.	49.	50.	52.	53.	54.	54.7	54.8	54.5	51.3
24	54.3	53.4	53.	52 8	52.9	53.5	54.5	56.	59.5	58.8	59.	59.	55.6
26	59.5	58.3	57.1	56.3	56.	56.	57.	59.	61.4	62.	62.	60.8	58.8
27	59.9	58.5	57.5	56.9	56.2	56.5	57.	57.3	58.	58.	56.9	55.	57.3
28	53.4	51.8	49.8	49.	50.	51.	53.5	56.	58.	58.	58.	57.	53.8
29	56.	54.3	52.8	51.5	51.	51.	50.1	49.7	49.1	48.9	48.6	48.6	51.
30	....	48.8	48.4	48.2	49.	50.	51.	51.8	51.8	51.7	50.6	49.3	50.1
Means	51.2	50.	48.5	47.7	46.4	48.9	50.2	51.9	52.8	53.1	52.6	51.8	50.5

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 52½	h. m. 14 00	h. m. 14 07½	h. m. 13 50	h. m. 13 57½	h. m. 14 05	Temperature Fahrenheit.	h. m. 13 55	h. m. 14 02½	h. m. 14 10	Temperature Fahrenheit.
Observatory time.....	8 12	8 19½	8 27	8 09½	8 17	8 24½		8 14½	8 22	8 29½	
April 1.....	589.3	589.8	589.5	719.5	719.8	720.1	44.3	1135.8	1135.9	1137.	44.
2.....	591.6	591.4	591.8	816.	816.5	816.8	51.	1149.2	1151.3	1154.5	52.
3.....	584.1	586.7	587.9	768.	768.3	768.5	46.4	1143.3	1140.3	1141.1	49.
5.....	589.	588.5	587.9	805.	805.2	805.6	50.2	1162.6	1168.3	1170.2	50.5
6.....	592.	592.5	592.5	815.8	814.7	814.3	50.2	1172.	1173.7	1176.3	49.6
7.....	587.7	588.6	591.4	787.8	787.7	788.	49.	1155.5	1162.7	1165.8	48.3
8.....	578.2	577.7	578.6	797.1	797.1	797.	48.6	1202.6	1203.5	1203.3	48.
9.....	591.2	591.3	590.5	783.4	783.5	783.	49.	1156.8	1157.7	1159.	49.6
10.....	.....	586.4	587.	.....	895.6	894.5	54.	.....	1177.3	1179.3	53.4
12.....	588.6	588.7	588.	679.3	679.7	679.2	40.	1128.	1131.9	1135.5	39.5
13.....	575.1	572.8	573.	628.3	629.6	630.9	38.	1140.	1138.4	1125.4	37.8
14.....	589.9	590.	590.2	714.9	714.9	715.4	43.2	1135.	1137.5	1143.1	43.
15.....	586.1	586.1	586.2	682.5	683.4	683.6	41.	1125.4	1125.5	1128.7	41.4
16.....	582.7	582.3	582.5	702.5	702.6	703.7	42.2	1139.3	1143.1	1145.9	43.3
17.....	589.2	589.	588.1	798.	798.8	798.6	48.6	1136.7	1136.9	1137.4	48.
19.....	587.6	587.3	587.9	772.2	772.5	772.5	46.5	1147.8	1152.1	1153.1	46.6
20.....	590.4	588.2	585.4	796.	795.8	794.8	48.3	1184.8	1184.8	1182.3	48.
21.....	588.4	588.	587.8	845.6	846.1	846.6	52.	1197.	1195.9	1201.3	51.6
22.....	.....	585.7	.....	.....	818.	.....	50.6	.....	1187.2	.....	49.
23.....	590.	590.	588 7	798.	798.6	799.6	49.2	1179.1	1184.2	1182.	49.
24.....	581.6	583.	584.1	867.	867.7	868.5	53.	1169.1	1170.3	1179.2	52.9
26.....	583.6	585.	583.	916.	917.	916.2	56.5	1207.1	1203.1	1204.	56.
27.....	585.2	585.2	585.1	926.2	926.	925.5	57.	1209.	1208.4	1210.	56.2
28.....	583.5	584.	583.6	819.6	819.6	819.5	50.6	1161.3	1163.9	1165.	50.
29.....	586.9	586.4	586.4	850.	850.2	849.9	52.1	1182.1	1183.	1181.3	51.
30.....	586.1	587.7	589.5	806.5	807.9	808.9	50.	1176.6	1172.1	1168.	49.

Göttingen time.. Observatory time	h. m. 6 00 0 19½	h. m. 8 00 2 19½	h. m. 10 00 4 19½	h. m. 12 00 6 19½	h. m. 14 00 8 19½	h. m. 16 00 10 19½	h. m. 18 00 12 19½	h. m. 20 00 14 19½	h. m. 22 00 16 19½	h. m. 0 00 18 19½	h. m. 2 00 20 19½	h. m. 4 00 22 19½	Means.	* Reduced means.
May 1.....	576.	583.	571.2	593.1	593.2	581.2	570.4	567.	576.	580.	578.9	568.4	578.2	465.4
3.....	578.7	579.7	582.2	588.6	593.3	580.6	569.7	571.1	577.2	579.	577.1	576.9	579.5	466.7
4.....	579.	581.5	583.1	588.2	583.7	575.	561.3	569.6	576.5	581.8	580.8	580.2	578.4	465.6
5.....	579.5	581.3	583.	590.9	594.1	582.	570.8	564.	.....	579.	579.1	628.7	582.5	469.8
6.....	579.4	582.9	571.1	596.	595.4	581.5	569.9	557.2	560.7	579.8	572.	584.9	577.6	464.8
7.....	578.5	579.1	581.5	589.8	590.	579.8	569.1	566.	573.	578.2	584.7	579.3	579.1	466.3
8.....	578.4	577.3	581.9	586.3	587.	576.1	565.2	565.	572.8	575.	584.6	580.8	577.5	464.7
10.....	581.6	608.2	578.2	606.1	562.9	574.8	572.	568.	569.6	576.	566.9	571.9	578.	465.2
11.....	574.	578.2	580.3	587.3	592.	583.	578.5	567.8	569.1	576.9	575.9	579.1	578.5	465.7
12.....	582.3	580.1	584.7	581.8	591.5	578 8	569.8	566.2	573.2	576.5	578.	586.4	579.1	466.3
13.....	582.8	585.	579.8	586.8	584.7	578.2	570.5	569.4	575.4	577.2	579.6	579.9	579.1	466.3
14.....	582.	579.4	580.3	585.1	582.8	577.8	573.	577.2	576.3	579.	594.7	586.4	581.2	468.4
15.....	583.5	580.	582.9	586.9	585.1	571.9	565.5	567.	576.8	578.	577.	575.6	577.5	464.7
17.....	584.	576.1	576.6	576.6	571.5	571.7	561.8	568.	580.3	578.8	576.9	577.6	575.	462.2
18.....	579.	582.1	588.9	581.6	585.4	576.3	568.4	566.5	567.9	572.8	573.2	575.3	576.4	463.6
19.....	577.4	579.5	581.6	590.	584.9	580.9	568.2	567.6	575.8	576.	601.	589.4	581.	468.2
20.....	579.	579.4	585.7	588.5	594.	583.8	570.8	563.8	571.6	579.1	579.5	583.	579.8	467.
21.....	580.	570.5	585.4	583.2	593.2	589.5	571.9	564.6	570.7	571.8	587.	583.9	579.3	466.5
22.....	588.	576.	578.4	589.2	584.9	581.2	578.2	571.8	572.1	578.2	583.2	580.1	580.1	467.3
24.....	574.9	577.8	581.8	587.5	589.9	579.	566.1	565.2	572.4	.....	576.9	580.	577.4	464.6
25.....	579.7	582.4	583.6	593.2	594.1	585.9	574.7	569.	573.1	578.3	580.2	579.4	581.1	468.3
26.....	584.	583.7	584.1	585.7	587.	576.6	569.6	568.9	568.4	574.9	576.1	587.2	578.8	466.
27.....	593.6	573.4	591.	583.1	580.	574.3	571.5	574.5	576.3	578.2	584.7	.....	580.1	467.3
28.....	572.3	581.4	578.7	588.9	586.	576.4	568.8	572.7	571.1	578.6	578.6	575.7	577.4	464.6
29.....	575.9	578.4	581.	584.7	576.2	568.4	569.7	571.5	576.1	575.8	570.5	576.2	575.4	462.6
31.....	†575.8	576.9	580.	588.9	588.3	568.7	558.7	564.5	573.6	577.7	572.4	575.7	575.1	462.3
Means.....	580.	580.5	581.4	588.	586.6	578.2	569.4	567.8	573.	577.4	579.6	581.7	578.63	
* Reduced means	467.2	467.7	468.6	475.2	473.8	465.4	456.6	455.	460.2	464.6	466.8	468.9		465.83

* Reduced to previous position; correction, —112.8.

† One minute late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	Means.	Reduced to 32° F.
Göttingen time..	5 57½	7 57½	9 57½	11 57½	13 57½	15 57½	17 57½	19 57½	21 57½	23 57½	1 57½	3 57½		
Observatory time	0 17	2 17	4 17	6 17	8 17	10 17	12 17	14 17	16 17	18 17	20 17	22 17		
May 1.....	818.5	804.1	799.7	797.8	794.9	804.7	820.6	824.	876.2	868.8	867.8	857.9	827.9	575.5
3.....	*768.8	741.7	714.2	694.5	692.7	700.8	718.	.....	783.7	796.4	799.3	785.9	745.1	576.4
4.....	767.8	752.4	738.9	727.6	731.8	746.5	761.4	780 8	805.	831.	840.	835.5	776.6	572.8
5.....	825.8	809.1	788.2	773.6	774.1	795.4	823.7	846.2	856.7	850.9	859.1	849.9	821.3	579.7
6.....	836.1	832.9	838.5	829.8	833.1	850.7	872.5	860.7	937.6	934.5	†931.1	916.	872.8	578.5
7.....	896.7	876.6	857.	837.1	834.8	848.6	893.6	909.5	923.7	932.1	936.4	928.6	889.6	584.5
8.....	919.8	902.9	883.	863.5	850.8	857.	860.5	867.7	871.8	885.9	896.7	896.	879.6	586.7
10.....	972.5	984.4	‡1036.3	967.8	918.8	900.4	881.4	882.8	901.	908.5	931.	946.1	935.9	598.4
11.....	957.3	962.1	957.8	948.7	945.	950.7	958.5	972.1	988.9	1007.2	1018.	1011.8	973.2	592.5
12.....	1000.	982.3	962.7	949.5	943.	938.5	933.	935.1	938.2	942.9	947.	944.1	951.4	597.7
13.....	939.6	923.8	894.9	879.4	875.9	887.9	900.2	917.3	936.7	957.8	961.8	955.1	919.2	588.5
14.....	947.1	927.9	898.9	877.8	869.6	870.4	876.5	886.9	899.7	919.7	938.2	938.8	904.3	587.1
15.....	932.3	908 5	885.5	866.6	863.	877.8	895.	914.7	934.3	954.9	961.8	951.4	912.2	588.2
17.....	958.5	943.2	936.6	922.8	915.5	928.3	944.9	959.	§978.2	1011.	1028.1	1022.2	962.4	596.6
18.....	1004.6	985.6	964.7	944.1	937.7	936.4	944.6	949.	961.8	982.5	1001.2	1003.2	968.	595.4
19.....	989.1	971.7	948.	930.3	928.8	940.7	957.2	975.3	991.7	998.9	1014.3	1000.8	970.6	600.7
20.....	976.3	955.2	932.1	914.5	907.3	919.1	933.3	956.7	988.1	1023.	1043.9	1039.	965.7	595.8
21.....	1029.3	1015.5	996.9	974.6	972.4	987.1	1010.1	1046.5	1088.8	1125.1	1155.8	1165.4	1047.3	614.
22.....	1134.9	1123.2	1101.8	1082.6	1083.	1092.8	1128.5	1165.5	.....	.....	.....	.....	1114.	617.2
Means.....	930.3	916.	901.9	883.3	877.4	885.9	900.7	925.	925.7	940.6	951.7	947.1	916.6	
Reduced to 32° F.	600.9	601.5	603.6	595.8	587.2	582.2	576.7	570.	574.7	582.9	599.4	608.3		590.5

See general notes. * One minute late. † Two minutes late. ‡ Recorded 1136.3, but at 4*h*. 41*m*. needle was at 1008.6. § One minute late.

Göttingen time / Observatory time	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means.
May 1	49.8	49.	48.7	48.3	48.6	49.5	50.4	51.5	53.4	54.8	52.6	51.5	50.7
3	45.7	43.8	42.	41.	41.1	43.	43.2	....	47.9	48.4	47.6	46.2	44.5
4	45.8	44.8	43.9	43.1	44.1	45.	47.	48.7	51.3	51.2	51.	49.8	47.1
5	49.8	48.3	47.	46.1	47.2	49.3	51.2	52.7	53.	52.	51.3	51.	49.9
6	51.1	50.9	50.4	50.1	51.2	52.5	54.2	55.7	58.9	57.9	57.	55.1	53.8
7	54.3	53.	51.9	51.	52.	53.6	55.3	56.7	57.5	57.	56.8	56.	54.6
8	55.9	54.4	53.2	52.3	52.	52.	52.6	53.3	53.3	55.5	55.3	55.	53.7
10	58.3	57.2	56.2	56.	55.	55.3	56.	57.	57.3	57.9	58.4	58.9	57.
11	60.	59.8	59.	58.1	58.	58.7	59.5	61.	62.	62.7	62.	61.2	60.2
12	61.	59.8	58.8	57.9	57.	57.	57.5	58.	58.4	58.	57.8	57.	58.2
13	56.7	55.7	54.5	53.8	53.6	55.	56.3	58.	59.2	59.1	58.7	57.8	56.5
14	57.2	56.	54.3	53.3	53.	53.	54.2	56.	57.	57.6	57.6	56.9	55.5
15	56.4	55.	53.5	52.4	53.	54.	56.	57.5	58.5	59.	59.	57.5	56.
17	58.	57.	56.	55.2	55.2	57.	58.9	61.2	62.	63.6	63.3	62.	59.1
18	61.2	59.8	58.1	57.	57.	58.	59.	60.	61.3	62.	61.7	60.6	59.6
19	60.1	59.	57.4	56.2	57.	58.	59.8	61.2	61.8	61.8	61.	59.8	59.4
20	59.	57.7	56.	55.	55.3	56.2	58.5	60.7	63.	64.3	64.	63.1	59.4
21	62.7	61.	59.9	59.	59.5	61.	64.2	66.	67.6	69.5	70.	69.	64.1
22	68.9	68.1	67.	66.1	66.7	68.2	71.	74.	....	....	....	....	68.8
Means	56.4	55.3	54.1	53.3	53.5	54.5	56.	58.3	58.	58.5	58.1	57.1	56.2

Degrees Fahrenheit.

Göttingen time.. Observatory time	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
May 1.....	1123 9	1132.9	1150.3	1130 9	1147.2	1199.1	1171.	1164.5	1134.6	1158.7	1168.2	1161.5	1153.6	1099.4
3.....	1126.1	1130.	1112.9	1196.8	1128.2	1150.6	1138.9	1122.6	1114.5	1118.5	1121.8	1123.3	1115.3	1080.8
4.....	1120.2	1113.7	1123.2	1109.1	1135.8	1162.3	1174.2	1146.5	1141.7	1179.	1162.7	1161.3	1144.1	1100.9
5.....	1153.3	1145.3	1132.4	1120.9	1147.7	1174.6	1190.9	1159.	1147.4	1164.1	1193.8	1193.6	1160.2	1108.3
6.....	1174.9	1162.4	1173.2	1164.6	1204.4	1245.	1245.	1223.5	1193.3	1195.8	1210.1	1215.9	1200.7	1137.2
7.....	1195.5	1182.7	1191.8	1166.7	1184.6	1201.5	1215.	1187.9	1186.9	1179.9	1157.1	1188.9	1186.5	1120.7
8.....	1180.4	1172.	1159.9	1156.8	1179.9	1208.2	1188.2	1165.7	1164.7	1169.1	1229.4	1178.	1179.3	1116.4
10.....	1273.2	1322.6	1396.8	1276.2	1292.	1316.2	1231.1	1137.9	1156.8	1213.4	1208.2	1237.1	1255.1	1182.6
11.....	1237.1	1233.1	1225.9	1198.7	1203.5	1240.	1223.	1209.	1190.2	1211.	1199.2	1197.6	1214.	1131.1
12.....	1209.6	1208.8	1184.7	1174.9	1166.3	1199.9	1220.6	1219.3	1212.1	1188.4	1200.9	1182.3	1197.3	1121.6
13.....	1158.2	1188.8	1188.3	1177.	1202.4	1220.2	1191.7	1202.	1185.1	1190.7	1198.3	1199.4	1191.8	1121.
14.....	1189.8	1187.9	1179.4	1161.4	1198.7	1210.8	1198.6	1171.	1173.6	1179.6	1176.	1171.5	1183.2	1114.1
15.....	1220.9	1181.	1172.2	1155.	1197.7	1202.3	1202.2	1175.9	1170.1	1193.7	1178.6	1170.5	1185.	1115.1
17.....	1167.6	1170.9	1162.	1199.3	1251.8	1241.8	1234.4	1211.3	1207.6	1215.4	1205.4	1216.7	1207.	1127.
18.....	1214 7	1212.8	1207.6	1210.3	1185.9	1214.	1216.	1192.7	1166.9	1219.5	1229.2	1196.1	1205.5	1124.9
19.....	1201.1	1201.2	1195.3	1184.7	1201.1	1201.9	1198.2	1212.4	1188.4	1212.2	1192.2	1233.5	1201.8	1122.3
20.....	1204.	1205.5	1194.5	1191.9	1195.	1208.1	1198.7	1206.2	1193.7	1215.1	1205.	1236.2	1204.5	1124.8
21.....	1216.1	1198.2	1208.4	1215.2	1189.1	1209.7	1213.8	1217.4	1248.3	1254.3	1241.6	1277.	1224.1	1130.4
22.....	1247.	1254.	1245.1	1231.7	1287.9	1250.2	1249.9	1250.3	1257.1	1274.3	1272.	1262.9	1256.9	1143.5
24.....	1270 7	1252.4	1240.	1237.	1259.6	1299.4	1287.5	1250.5	1262.4	.....	1278.	1275.2	1264.8	1147.1
25.....	1274.6	1268.2	1260.4	1248.4	1249.	*1287.8	1290.7	1272.	1255.9	1264.1	1270.	1265.7	1267.2	1142.2
26.....	1253.6	1248.5	1246.1	1247.5	1252.2	1260.5	1224.3	1207.8	1243.3	1212.4	1226.2	1248.	1239.2	1124.7
27.....	1233.	1261.8	1239.7	1240.3	1257.4	1277.1	1258.8	1258.	1240.	1237.1	1224.6	.....	1248.	1141.
28.....	1239.7	1240.9	1239.5	1232.3	1250.7	1244.2	1241.3	1222.5	1268.	1273.1	1280.5	1260.8	1249.5	1135.8
29.....	1254.4	1260.5	1250.6	1247.7	1271.1	1272.8	1247.4	1242.9	1251.3	1253.4	1278.	1265.3	1257.9	1136.4
31.....	†1230.2	1227.9	1215.5	1196.	1225.1	1232.1	1215.4	1212.4	1204.4	1208.8	1228.2	1213.9	1217.5	1123.5
Means.....	1206.5	1206.3	1203.6	1187.4	1210.2	1228.1	1218.	1201.6	1199.3	1207.3	1212.9	1213.3	1207.77	
Reduced to 32° F.	1124.7	1127.7	1128.8	1114.6	1136.6	1151.3	1137.1	1116.3	1110.9	1115.1	1121.6	1126.		1125.85

* Seven minutes late. † One minute late.

Göttingen time / Observatory time	h. m. 6 02½ / 0 22	h. m. 8 02½ / 2 22	h. m. 10 02½ / 4 22	h. m. 12 02½ / 6 22	h. m. 14 02½ / 8 22	h. m. 16 02½ / 10 22	h. m. 18 02½ / 12 22	h. m. 20 02½ / 14 22	h. m. 22 02½ / 16 22	h. m. 0 02½ / 18 22	h. m. 2 02½ / 20 22	h. m. 4 02½ / 22 22	Means.
May 1	48.7	48.	47.7	47.5	47.9	48.9	49.9	51.	59.	54.2	53.3	52.	50.7
3	44.8	42.8	40.8	40.	40.8	41.5	42.5	44.2	46.3	48.3	48.	46.6	43.9
4	45.3	44.	43.	43.	44.4	45.2	46.	48.	49.9	51.8	51.6	50.5	46.9
5	49.7	48.1	46.7	46.	47.2	49.	51.2	53.	53.	52.3	51.8	51.	49.9
6	51.	50.4	50.	50.	51.8	52.5	54.	55.2	57.1	60.3	57.9	56.	53.9
7	54.5	52.9	51.3	51.	52.	53.	55.3	57.	58.1	57.8	57.1	56.7	54.7
8	55.9	54.2	53.	52.	51.5	52.	52.8	53.8	54.	....	56.	55.	53.7
10	58.8	57.4	56.2	55.8	55.	55.	55.7	56.3	57.3	58.6	59.	59.4	57.
11	60.1	60.	59.	58.1	58.3	59.	60.	61.3	62.5	63.7	63.	61.9	60.6
12	61.	60.	58.4	57.3	57.	56.5	57.	58.	58.5	58.8	58.	57.	58.1
13	56.2	55.	53.9	53.	53.	54.4	56.	58.	59.5	60.2	59.6	58.	56.4
14	57.2	55.8	53.7	52.8	52.	52.7	54.5	56.	57.	58.3	58.2	57.7	55.5
15	56.7	55.	53.	52.1	53.	54.	55.8	57.	59.	60.	59.7	58.	56.1
17	58.7	57.1	56.	55.2	55.2	57.	60.	61.2	62.6	64.9	64.2	63.	59.6
18	61.2	59.8	57.8	56.9	57.	57.6	58.5	59.8	63.	63.	62.3	61.	59.8
19	60.2	59.	57.1	56.2	57.2	58.	59.5	61.	61.7	61.9	61.3	60.3	59.4
20	59.	57.7	56.	54.7	55.	56.	58.	60.2	63.	65.1	65.2	64.	59.5
21	62.9	61.1	59.8	59.	60.	61.	63.3	66.	68.	70.	70.7	70.	64.3
22	69.1	68.	66.9	66.	66.7	67.4	70.2	73.8	76.3	76.8	76.7	75.8	71.1
24	74.	71.	68.8	68.2	70.	71.	73.	75.2	....	....	78.	77.	72.6
25	75.8	74.	72.5	71.8	72.	76.	75.2	77.	78.	77.8	76.3	74.9	75.1
26	73.8	72.5	71.5	71.	71.1	71.8	71.2	71.2	71.2	71.5	70.9	70.	71.5
27	70.	69.7	68.7	68.	67.8	68.2	68.7	69.	69.2	69.2	69.	....	68.9
28	68.5	68.	67.6	67.5	68.	69.	71.	72.8	75.3	76.2	76.	74.5	71.2
29	73.5	72.2	71.7	71.3	70.9	72.1	73.6	74.5	77.	78.	77.	75.	73.9
31	64.	62.7	60.8	60.4	60.7	61.8	63.8	66.	67.3	69.	69.	67.2	64.4
Means	60.4	59.1	57.8	57.1	57.5	58.5	59.9	61.4	62.5	63.8	63.5	62.1	60.25

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 52½	h. m. 14 00	h. m. 14 07½	h. m. 13 50	h. m. 13 57½	h. m. 14 05	Temperature Fahrenheit.	h. m. 13 55	h. m. 14 02½	h. m. 14 10	Temperature Fahrenheit.
Observatory time	8 12	8 19½	8 27	8 09½	8 17	8 24½		8 14½	8 22	8 29½	
May 1.....	591.9	593.2	592.8	794.2	794.9	794.7	48.6	1148.1	1147.2	1150.2	47.9
3.....	592.	593.3	592.8	692.5	692.7	692.6	41.1	1126.8	1128.2	1130.1	40.8
4.....	584.	583.7	582.9	731.	731.8	731.9	44.1	1133.6	1135.8	1137.6	44.4
5.....	594.	594.1	594.	774.3	774.1	774.6	47.2	1145.7	1147.7	1148.4	47.2
6.....	593.7	595.4	594.9	832.	833.1	833.8	51.2	1195.4	1204.4	1207.6	51.8
7.....	590.5	590.	589.2	835.	834.8	835.1	52.	1181.	1184.6	1185.3	52.
8.....	586.7	587.	587.	851.3	850.8	851.	52.	1177.4	1179.9	1181.7	51.5
10.....	565.2	562.9	566.9	921.	918.8	917.5	55.	1292.9	1292.	1288.	55.
11.....	592.1	592.	592.2	944.8	945.	945.6	58.	1201.1	1203.5	1207.1	58.3
12.....	588.	591.5	591.1	943.1	943.	942.9	57.	1156.9	1166.3	1169.3	57.
13.....	585.	584.7	585.	875.2	875.9	876.7	53.6	1201.8	1202.4	1204.5	53.
14.....	582.9	582.8	582.	869.4	869.6	869.4	53.	1195.	1198.7	1202.9	52.
15.....	584.8	585.1	585.	862.3	863.	863.8	53.	1190.9	1197.7	1201.3	53.
17.....	576.1	571.5	568.1	915.7	915.5	916.	55.2	1237.4	1251.8	1236.1	55.2
18.....	584.9	585.4	584.9	937.5	937.7	937.3	57.	1187.	1185.9	1188.7	57.
19.....	586.9	584.9	586.7	928.8	928.8	930.	57.	1201.1	1201.1	1209.7	57.2
20.....	594.	594.	594.1	907.2	907.3	909.	55.3	1192.3	1195.	1197.2	55.
21.....	594.	593.2	594.6	971.6	972.4	973.6	59.5	1186.9	1189.1	1193.	60.
22.....	585.	584.9	585.	1081.9	1083.	1083.	66.7	1282.5	1287.9	1285.2	66.7
24.....	590.1	589.9	589.8	.....	.....	.....	....	1257.8	1259.6	1267.2	70.
25.....	594.1	594.1	594.9	.....	.....	.....	....	1242.4	1249.	1250.1	72.
26.....	586.9	587.	585.1	.....	.....	.....	....	1251.	1252.2	1253.7	71.1
27.....	579.4	580.	581.3	.....	.....	.....	....	1257.3	1257.4	1267.6	67.8
28.....	586.6	586.	587.	.....	.....	.....	....	1245.7	1250.7	1250.8	68.
29.....	.....	576.2	.....	.....	.....	.....	....	.....	1271.1	.....	70.9
31.....	588.5	588.3	587.8	.....	.....	.....	....	1221.6	1225.1	1227.8	60.7

Göttingen time.. Observatory time.	h. m. 6 00 0 19½	h. m. 8 00 2 19½	h. m. 10 00 4 19½	h. m. 12 00 6 19½	h. m. 14 00 8 19½	h. m. 16 00 10 19½	h. m. 18 00 12 19½	h. m. 20 00 14 19½	h. m. 22 00 16 19½	h. m. 0 00 18 19½	h. m. 2 00 20 19½	h. m. 4 00 22 19½	Means.	* Reduced means.
June 1.....	581.9	579.	581.9	586.1	587.1	575.7	567.8	568.9	575.	572.	575.3	576.3	577.2	464.4
2.....	578.1	580.5	581.3	587.3	583.	575.9	566.2	¶561.1	562.2	571.2	565.	569.	573.4	460.6
3.....	564.9	566.8	570.4	579.9	576.	560.1	552.2	552.9	563.7	563.5	568.1	571.8	565.9	453.1
4.....	567.	570.2	568.3	586.	586.9	568.	558.2	553.9	561.2	571.5	577.7	571.	570.	457.2
5.....	566.7	568.2	573.4	580.2	579.4	570.7	559.1	558.9	564.1	569.6	570.	568.5	569.1	456.3
7.....	†571.3	575.9	578.6	581.3	586.1	577.9	564.	559.2	561.5	566.7	577.1	570.4	572.5	459.7
8.....	571.	576.2	576.8	580.1	579.1	572.1	564.6	563.8	567.	572.8	572.7	574.2	572.5	459.7
9.....	574.8	575.5	581.2	587.4	582.	575.3	565.5	564.	568.9	579.8	571.8	573.8	575.	462.2
10.....	586.2	571.6	571.8	580.6	582.5	568.9	560.	563.8	569.9	575.5	572.	571.5	572.9	462.6
11.....	569.8	579.2	570.5	586.9	585.	573.4	566.2	569.2	570.1	571.7	571.6	588.3	575.2	462.4
12.....	572.5	573.	576.8	585.	581.8	570.1	563.5	568.	571.6	570.8	572.	571.	573.	460.2
14.....	573.3	573.5	575.5	585.	578.4	568.1	558.4	563.4	570.5	571.8	569.2	570.9	571.5	458.7
15.....	570.4	573.8	583.2	592.9	585.8	559.4	550.7	559.1	563.8	584.	568.8	570.	571.8	459.
16.....	564.5	562.3	575.2	585.	583.1	570.6	560 3	565.6	570.1	569.6	570.9	574.4	571.	458.2
17.....	576.	572.1	569.9	578.6	583.6	566.9	552.8	553.4	559.3	566.9	576.	583.7	569.9	457.1
18.....	577.6	565.6	575.3	584.6	578.9	558.	560.1	567.7	575.	587.7	572.7	569.	572.7	459.9
19.....	571.9	‡570.	575.	580.	578.	569.3	563.3	565.	567.4	569.4	569.1	569.3	570 6	457.8
21.....	569.7	573.	575.3	584.	587.2	571.5	564.5	559.3	564.	569.5	570.6	573.3	571.8	459.
22.....	579 3	574.9	577.2	586.6	588.	573.9	558.8	563.2	563.7	570.1	579.4	573.3	574.	461.2
23.....	577 7	573.1	575.	585.4	.....	569.5	558.1	548.	557.	571.2	566.3	573.1	568.6	455.8
24.....	577.5	551.1	568.8	569.6	580.	569.8	560.4	557.5	561.6	566.8	569.6	570.4	566.9	454.1
25.....	.....	.....	558.7	588.	589.1	568.5	561.3	553.7	563.6	561.9	567.2	587.2	569.9	457.1
26.....	567.6	568.2	570.	577.3	578.	567.2	558.	557.1	565.3	568.	566.	564.3	575.6	462.8
28.....	§569.	569.5	573.	578.	580.4	567.2	557.9	558.1	562.	567.1	574.6	564.9	568.5	455.7
29.....	565.1	569.3	575.	584.	583.5	574.9	563.4	556.9	556.8	576.2	569.	‖	570.4	457.6
30.....	572.9	570.5	575.7	582.2	582.8	569.8	558.2	560.7	559.4	562.	568.1	567.	569.1	456.3
Means.....	572.7	571.3	574.4	583.2	582.6	569.7	560.5	560.5	565.2	571.	571.2	572.7	571.5	
*Reduced means	459.9	458.5	461.6	470.4	469.8	456.9	447.7	447.7	452.4	458.2	458.4	459.9		458.7

* Reduced to the previous position; correction, —112.8.
† Two minutes late.
‡ Two minutes late.
§ Four minutes late.
‖ Thirty-five minutes late, 566.4.
¶ Two minutes late.

Göttingen time / Observatory time	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means. Old position.	Means. New position.	Reduced to 32° Fah. Old position.	Reduced to 32° Fah. New position.
June 1	536.5	514.8	489.2	469.1	457.5	459.2	481.1	503.3	540.4	575.2	593.9	598.3	1047.2	518.2	590.9	61.9
2	[1]581.	[2]567.2	545.8	534.	533.6	556.5	590.6	621.7	649.3	687.1	694.3	699.2	1134.	605.	599.4	70.4
3	691.1	676.1	647.6	616.	600.2	608.9	616.8	625.1	635.2	654.2	664.1	662.4	1170.5	641.5	622.4	93.4
4	640.5	608.6	568.5	536.5	530.7	538.2	555.6	584.8	620.8	649.1	667.9	669.4	1126.5	597.5	618.9	89.9
5	659.2	661.5	626.7	614.5	613.2	642.1	671.4	709.1	746.9	777.8	789.	787.2	1220.5	691.5	631.9	102.9
7	[3]721.5	710.1	675.6	657.	649.2	660.8	687.5	720.1	758.8	795.1	805.6	793.4	1248.6	719.6	678.9	149.9
8	784.8	778.	763.7	756.7	762.6	779.1	805.5	837.5	867.	898.2	893.5	865.9	1345.	816.	694.3	165.3
9	847.4	[4]836.5	807.	797.4	798.1	820.1	837.9	868.9	887.7	918.7	921.4	899.	1382.3	853.3	719.5	190.5
10	891.2	856.6	826.9	799.9	791.5	794.	803.7	825.5	842.6	863.8	868.	851.9	1363.6	834.6	719.7	190.7
11	826.1	803.7	785.	770.	764.1	777.6	791.2	820.1	868.7	899.3	896.3	868.8	1351.6	822.6	713.1	184.1
12	846.6	834.	817.9	801.5	790.2	787.2	783.	785.5	789.4	785.5	781.	770.1	1326.7	797.7	719.2	190.2
14	690.6	680.1	671.4	662.9	658.1	661.	668.2	691.4	716.6	755.3	731.1	724.5	1221.6	692.6	687.	158.
15	711.8	701.3	694.9	690.9	686.6	688.3	690.6	693.5	695.6	708.3	702.3	698.8	1225.9	696.9	685.9	156.9
16	686.9	668.5	642.	622.4	614.8	623.6	637.6	652.3	676.5	707.1	722.6	718.	1193.4	664.4	677.7	148.7
17	696.9	672.7	656.5	640.1	640.8	652.	674.2	696.	725.3	753.	736.3	733.4	1218.8	689.8	685.6	156.6
18	711.	696.8	684.9	670.5	662.7	655.5	635.	628.2	[5]617.7	611.9	607.8	597.2	1177.3	648.3	683.2	154.2
19	[6]588.5	579.4	577.	573.6	577.	591.	597.2	599.3	604.5	605.7	616.2	612.3	1122.5	593.5	662.2	133.2
21	684.9	676.9	667.3	656.7	645.4	650.1	653.2	653.7	657.	665.2	666.1	657.4	1190.2	661.2	675.9	146.9
22	655.8	644.5	[7]631.7	624.3	618.1	621.8	627.2	623.8	627.5	635.2	639.	646.9	1162.	633.	666.6	137.6
23	653.1	651.4	648.1	649.7	653.5	674.9	712.9	747.2	771.9	810.7	817.1	807.8	1244.7	715.7	671.	142.
24	807.	799.5	779.2	769.6	772.7	783.	815.4	844.8	869.9	891.4	897.1	882.9	1355.	826.	700.3	171.3
25	.....	.....	830.1	810.7	800.2	796.1	804.	815.7	806.7	799.4	790.	786.1	1332.9	803.9	705.2	176.2
26	771.1	768.2	762.8	757.9	759.	776.	803.2	820.2	847.4	858.	849.8	837.4	1329.9	800.9	696.8	167.8
28	[8]782.3	767.4	752.4	738.9	739.6	743.	768.9	776.8	797.8	814.5	826.4	817.5	1306.1	777.1	697.3	168.3
29	812.	805.2	786.8	771.6	763.4	779.2	809.5	835.1	859.5	883.6	896.	[9]	1347.4	818.4	702.1	173.1
30	873.1	845.9	835.5	803.	805.3	828.	856.9	892.9	945.4	956.2	951.2	939.5	1406.7	877.7	722.3	193.3
Means, old position	1255.	1241.2	1228.	1213.4	1209.3	1219.3	1235.9	1254.9	1276.2	1296.7	1299.2	1286.	1251.6			
Means, new position	726.	712.2	699.	684.4	680.3	690.3	706.9	725.9	747.2	767.7	770.2	757.		722.6		
Red. to 32° F. old position	689.4	683.7	683.	674 8	673.4	669.9	663.5	663.6	666.	678.4	693.	696.			677.9	
Red. to 32° F. new position	160.4	154.7	154.	145.8	144.4	140.9	134.5	134.6	137.	149.4	164.	167.				148.9

[1] One minute late. [2] Four minutes late. [3] Three minutes late. [4] One minute late. [5] One minute late. [6] Two minutes late. [7] One minute late. [8] Four minutes late. [9] Thirty-eight minutes late, 825.1. See general notes.

Göttingen time / Observatory time	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means.
June 1	66.	65.	63.	62.	61.5	62.2	64.	66.5	69.2	70.6	70.6	69.6	65.8
2	69.	68.	66.8	66.5	67.2	69.	72.9	74.1	75.9	77.2	76.9	76.	71.6
3	75.5	74.4	72.	70.	70.	71.	71.5	72.	74.	74.1	73.6	72.6	72.6
4	71.	69.	65.8	64.9	65.	66.	68.	70.9	72.9	74.1	74.	73.5	69.6
5	73.	72.4	71.	70.3	71.	73.	75.5	78.	80.	81.	81.	80.5	75.6
7	73.	71.3	70.	69.5	69.5	71.	74.2	76.	79.	79.9	78.9	78.2	74.2
8	77.6	78.7	75.8	76.4	77.	78.5	80.7	82.7	85.	85.8	83.	81.	80.2
9	80.	79.	77.8	78.	78.	79.5	81.8	83.5	83.	85.3	84.7	82.7	81.1
10	82.	80.	78.	77.2	77.	77.5	79.	80.5	81.7	82.2	81.1	79.8	79.7
11	78.	77.	76.	75.9	75.5	76.9	79.3	81.2	84.	84.9	82.	80.6	79.3
12	80.	78.5	78.	77.	76.5	76.2	77.	76.9	76.9	75.5	76.	75.	77.
14	71.	72.	70.	69.5	68.5	69.	70.8	72.6	74.5	74.7	73.3	72.8	71.6
15	71.4	72.	71.5	71.	70.5	71.	72.	73.	73.9	73.9	72.	71.5	72.
16	71.	69.	69.	67.	66.7	67.4	68.9	70.5	73.	73.9	73.9	72.3	70.2
17	71.	70.	68.9	68.	68.5	70.	71.8	73.5	75.	74.9	73.9	72.3	71.5
18	71.	71.3	71.	70.1	69.	69.	68.5	68.	67.3	66.9	66.	65.4	68.6
19	65.	65.5	65.	64.9	65.	65.5	66.3	66.5	67.	67.8	67.7	67.	66.1
21	71.	71.3	70.8	70.	69.	69.	69.4	70.1	70.6	70.9	69.8	69.2	70.1
22	69.2	69.	68.	68.	67.3	67.8	68.	68.3	68.9	69.6	69.9	69.9	68.7
23	70.1	70.	70.	70.1	70.3	72.1	75.4	77.	79.	81.	80.	79.	74.5
24	78.2	77.9	76.9	76.4	77.	78.5	81.	83.	84.5	85.6	83.9	82.9	80.5
25	....	....	79.	78.9	78.	78.	79.	79.8	78.9	78.7	77.7	76.8	78.5
26	76.8	76.9	76.7	76.	76.7	78.	79.4	81.	82.6	82.	80.9	80.	78.9
28	76.9	76.1	75.	74.8	74.3	75.	76.4	78.	79.7	80.3	80.	78.8	77.1
29	78.1	77.2	76.3	78.	76.	77.5	80.3	82.	83.7	84.5	83.9	....	79.8
30	81.2	80.1	78.9	78.	79.	81.	83.	85.8	87.2	87.3	86.	84.9	82.7
Means	73.9	73.3	72.4	71.9	71.7	72.7	74.4	75.8	77.2	77.8	76.9	75.7	74.5

Degrees Fahrenheit.

Göttingen time / Observatory time	h. m. 6 02½ / 0 22	h. m. 8 02½ / 2 22	h. m. 10 02½ / 4 22	h. m. 12 02½ / 6 22	h. m. 14 02½ / 8 22	h. m. 16 02½ / 10 22	h. m. 18 02½ / 12 22	h. m. 20 02½ / 14 22	h. m. 22 02½ / 16 22	h. m. 0 02½ / 18 22	h. m. 2 02½ / 20 22	h. m. 4 02½ / 22 22	Means. Old position.	Means. New position.	Reduced to 32° F. Old position.	Reduced to 32° F. New position.
June 1	1245.1	1237.5	1225.5	1208.9	1118.6	1132.6	1109.1	1141.9	1051.8	1093.9	1100.7	1081.7	1287.6	387.6	1189.9	289.9
2	1081.	1091.4	1074.9	1063.4	1076.4	1107.2	1018.3	1103.4	1225.2	1252.9	1190.9	1298.5	1345.	445.	1229.	329.
3	1285.	1271.9	1252.6	1240.5	1253.	1259.6	1217.5	1231.7	1228.6	1268.0	1286.7	1257.5	1467.4	567.4	1350.2	450.2
4	1279.5	1255.6	1267.4	1213.4	1253.4	1288.6	1255.7	1250.4	1277.3	1206.1	1297.8	1281.3	1473.5	573.5	1365.	465.
5	1281.4	1280.	1269.6	1239.3	1255.5	1284.3	1287.4	1282.7	1267.1	1309.5	1318.6	1305.0	1494.7	594.7	1367.7	467.7
9	393.4	382.9	393.4	380.4	374.6	399.2	421.8	421.8	438.4	441.3	435.9	430.3	1309.5	409.5	1166.5	266.5
10	418.4	423.4	416.2	405.	427.5	425.6	405.	412.1	413.6	407.3	432.4	420.7	1317.4	417.4	1179.1	279.1
11	410.5	410.4	408.2	387.8	404.7	398.2	391.3	387.7	415.5	425.6	422.1	428.6	1307.5	407.5	1173.8	273.8
12	421.2	415.1	412.3	406.1	426.5	418.7	395.2	402.3	412.3	392.6	394.1	399.4	1308.	408.	1178.7	278.7
14	393.	395.8	395.1	400.	409.4	399.4	376.8	369.3	373.4	395.5	394.9	396.4	1291.6	391.6	1178.8	278.8
15	390.	398.4	397.1	387.3	412.	440.3	402.1	374.3	392.8	417.	439.5	423.3	1306.2	406.2	1189.	289.
16	407.1	396.3	390.4	386.5	397.6	410.3	401.9	383.1	387.8	400.9	404.3	401.1	1297.3	397.3	1187.7	287.7
17	398.8	391.6	398.7	384.7	400.5	404.7	398.5	384.	406.2	421.1	406.	454.2	1304.1	404.1	1190.1	290.1
18	401.	394.8	408.	407.	432.4	460.	410.9	385.1	372.7	381.8	392.4	393.9	1303.3	403.3	1198.	298.
19	391.4	384.8	388.2	393.	410.9	398.2	391.7	380.	381.7	397.1	393.3	394.	1292.	392.	1194.3	294.3
21	412.3	410.9	402.	396.8	412.1	414.2	356.9	366.8	380.2	390.4	389.	390.4	1293.5	393.5	1181.6	281.6
22	398.6	399.1	400.2	385.7	401.5	409.	402.8	357.1	398.9	392.4	423.6	400.1	1297.4	397.4	1192.4	292.4
23	399.	383.7	386.9	379.4	398.6	416.8	406.7	404.7	413.5	439.7	444.	427.9	1308.4	408.4	1184.9	284.9
24	437.1	414.7	413.3	407.6	416.3	457.3	445.1	438.3	438.3	438.7	458.	442.3	1333.9	433.9	1192.1	292.1
25	.....	.....	365.7	381.9	437.4	408.3	427.4	455.8	375.8	401.7	419.2	403.4	1307.7	407.7	1174.3	274.3
26	407.3	407.8	425.8	416.7	420.2	431.	421.7	414.3	420.	440.	440.3	431.7	1323.1	423.1	1187.7	287.7
28	412.2	411.1	406.1	405.	411.	427.9	393.2	381.8	411.7	417.2	434.6	438.7	1312.5	412.5	1181.7	281.7
29	425.	424.	431.4	413.3	427.4	433.5	436.5	437.1	470.4	434.9	471.	.....	1336.8	436.8	1198.5	298.5
30	456.2	446.6	454.5	440.7	454.5	460.1	468.3	442.7	457.7	457.8	466.6	464.2	1355.8	455.8	1211.1	311.1
Means, old position	1331.2	1325.2	1322.	1311.8	1333.2	1343.8	1325.3	1323.6	1332.3	1341.2	1350.9	1349.1	1332.3			
Means, new position	431.2	425.2	422.	411.8	433.2	443.8	425.3	423.6	432.3	441.2	450.9	449.1		432.3		
Red. to 32° F. old position	1209.4	1207.5	1206.6	1200.3	1219.5	1227.5	1204.4	1198.9	1201.8	1208.1	1220.4	1222.4			1210.1	
Red. to 32° F. new position	309.4	307.5	306.6	300.3	319.5	327.5	304.4	298.9	301.8	308.1	320.4	322.4				310.1

NOTE.—The means are reduced to readings in both the old and new positions of the magnetometer bar.

Göttingen time Observatory time	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.
June 1	65.8	64.	62.4	61.6	61.	62.	63.3	66.	69.3	71.5	71.7	70.3	65.7
2	69.3	68.	66.5	66.	67.3	69.	72.2	74.	77.5	78.6	78.8	77.	72.
3	76.	74.	71.8	69.8	69.5	70.	70.5	71.7	73.8	75.	74.2	73.	72.4
4	71.	68.8	65.5	64.2	64.4	65.3	67.	69.4	72.8	75.	75.	74.	69.4
5	72.6	72.	70.5	70.	70.8	72.5	75.4	78.3	81.2	82.2	82.3	81.5	75.8
9	79.8	78.3	77.2	77.	77.6	78.9	81.3	83.7	85.9	87.	86.	83.2	81.3
10	81.5	80.	77.5	76.8	76.8	77.	78.5	80.2	82.	83.7	82.	80.1	79.7
11	77.8	77.	76.	75.5	75.5	76.4	78.6	81.	85.	85.7	82.9	80.8	78.1
12	81.3	78.4	78.	76.8	76.	75.5	76.	76.5	76.2	76.	75.	74.	76.6
14	72.	69.	69.	68.	68.	68.5	70.2	72.3	74.1	74.7	73.3	72.2	70.9
15	77.2	72.5	72.	70.	70.	70.5	71.3	73.5	73.9	73.9	72.6	71.4	72.4
16	70.4	69.5	67.	66.2	66.2	66.9	68.1	69.8	72.	74.1	74.1	73.	69.8
17	71.7	69.	69.	67.5	68.	69.8	71.4	73.2	75.	75.3	74.	....	71.3
18	72.3	71.	70.	69.9	68.5	68.	67.8	67.6	67.	66.5	65.7	65.	68.3
19	64.6	64.5	64.3	64.8	64.5	65.	66.	66.6	67.	67.5	67.4	66.8	65.7
21	71.9	71.	69.7	69.2	68.6	68.2	69.3	70.3	71.	70.2	69.8	69.8	69.9
22	68.3	68.	68.3	67.1	67.	67.	67.5	68.	68.9	69.2	69.8	69.7	68.2
23	69.3	69.4	69.4	69.7	70.	71.8	75.8	77.6	80.2	81.6	80.7	79.6	74.6
24	78.3	77.8	76.5	76.3	77.	79.	81.1	83.6	85.8	87.8	84.9	82.9	80.9
25	....	....	78.6	77.8	77.	77.5	78.8	79.	78.8	78.7	77.3	76.6	78.
26	76.5	76.1	76.	76.	76.3	78.	79.8	81.	82.2	81.8	80.9	80.	78.7
28	76.1	75.3	74.2	74.	74.4	75.	76.8	78.1	81.	81.3	80.1	79.	77.1
29	78.	77.	76.1	75.	76.	77.2	80.	83.	84.3	85.	84.5	....	79.7
30	81.	79.8	78.	77.8	79.	81.	83.6	....	82.3	87.9	86.1	84.9	81.9
Means	74.0	72.6	71.8	70.8	71.2	72.1	73.7	75.	77.	77.9	77.	75.7	74.1

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 52½	h. m. 14 00	h. m. 14 07½	h. m. 13 50	h. m. 13 57½	h. m. 14 05	Temperature Fahrenheit.	h. m. 13 55	h. m. 14 02½	h. m. 14 10	Temperature Fahrenheit.
Observatory time.....	8 12	8 19½	8 27	8 09½	8 17	8 24½		8 14½	8 22	8 29½	
June 1.....	588.4	587.1	586.9	458.	457.5	457.3	61.5	.....	1118.6	.....	61.
2.....	584.6	583.	583.8	.....	533.6	534.4	67.2	.....	1076.4	.....	67.3
3.....	576.8	576.	576.	600.2	600.2	600.3	70.	.....	1253.0	.....	69.5
4.....	587.8	586.9	585.6	530.7	530.7	530.6	65.	.....	1253.4	.....	64.4
5.....	579.3	579.4	578.3	612.3	613.2	614.	71.	.....	1255.5	.....	70.8
7.....	585.5	586.1	586.7	649.4	649.2	649.9	69.5	.....	.....	.....	....
8.....	581.8	579.1	577.8	.....	762.6	763.3	77.	.....	.....	.....	....
9.....	583.9	582.	581.4	797.5	798.1	799.3	78.	366.4	374.6	373.8	77.6
10.....	582.3	582.5	581.6	791.	791.5	791.2	77.	426.4	427.5	429.6	76.8
11.....	585.6	585.	584.	761.9	764.1	764.	75.5	404.	404.7	405.8	75.5
12.....	582.8	581.8	580.5	792.	790.2	790.4	76.5	426.3	426.5	427.7	76.
14.....	579.2	578.4	578.	657.6	658.1	657.8	68.5	408.1	409.4	407.4	68.
15.....	585.7	585.8	584.2	686.7	686.6	685.6	70.5	411.3	412.	416.3	70.
16.....	583.6	583.1	586.6	614.7	614.8	615.8	66.7	392.3	397.6	406.2	66.2
17.....	583.	583.6	583.5	640.3	640.8	640.	68.5	398.4	400.5	398.2	68.
18.....	575.6	578.9	577.2	662 2	662.7	658.5	69.	425.7	432.4	434.8	68.5
19.....	578.	578.	577.7	576.	577.	577.4	65.	408.4	410.9	410.7	64.5
21	587.2	587.2	585.6	646.	645.4	644.9	69.	409.	412.1	417.	68.6
22.....	586.8	588.	586.	618.3	618.1	617.	67.3	402.	401.5	406.	67.
23.....	588.	.....	.....	653.2	653.5	653.8	70.3	394.9	398.6	398.3	70.
24.....	.....	580.	.....	.....	772.7	.....	77.	....	416.3	.....	77.
25.....	588.4	589.1	587.4	800.	800.2	799.9	78.	429.8	437.4	431.2	77.
26.....	577.7	578.	576.1	758.5	759.	759.4	76.7	417.	420.2	422.2	76.3
28.....	579.4	580.4	580.3	739.4	739.6	740.	74.3	416.3	411.	410.9	74.4
29.....	584.5	583.5	583.6	763.9	763.4	763.7	76.	426.8	427.4	432.8	76.
30.....	585.	582.8	582.3	802.8	805 3	805.7	79.	453.	454.5	458.7	79.

MAGNETIC OBSERVATORY

AT THE

GIRARD COLLEGE, PHILADELPHIA.

ORDINARY MAGNETIC AND TRIPLE OBSERVATIONS,

FROM JULY TO DECEMBER, 1841.

GENERAL NOTE.

The instruments during this half year were as in June, 1841. The bar of the vertical force magnetometer became more steady in its magnetism.

Göttingen time..... Observatory time.....	h. m. 6 00 0 19½	h. m. 8 00 2 19½	h. m. 10 00 4 19½	h. m. 12 00 6 19½	h. m. 14 00 8 19½	h. m. 16 00 10 19½	h. m. 18 00 12 19½	h. m. 20 00 14 19½	h. m. 22 00 16 19½	h. m. 0 00 18 19½	h. m. 2 00 20 19½	h. m. 4 00 22 19½	Means.
July 1.....	568.7	569.7	566.8	580.	582.	575.	559.	551.	558.6	565.8	571.2	568.4	568.
2.....	567.4	568.3	570.5	580.	586.	573.1	555.5	555.5	561.4	561.	568.7	566.5	567.8
3.....	567.8	568.3	573.5	582.4	582.3	567.4	552.4	548.	558.9	566.3	568.4	563.8	566.6
5.....	580.5	565.2	566.9	577.	581.3	575.8	559.8	553.3	559.3	566.8	574.7	586.2	570.6
6.....	585.8	583.2	581.	574.	581.2	573.6	560.1	555.7	559.	566.1	563.9	566.8	570.9
7.....	592.6	563.	571.	573.9	579.8	568.2	560.9	556.6	562.	563.	567.6	571.	569.1
8.....	567.5	566.6	568.2	577.7	580.5	570.	560.5	555.7	561.9	567.8	567.5	574.	568.2
9.....	565.8	567.	568.4	575.1	578.9	567.4	554.3	554.6	560.7	566.4	565.5	567.6	566.
10.....	575.4	568.9	571.4	577.	586.	575.	558.6	556.	560.9	564.	565.	565.1	568.6
12.....	582.4	574.3	575.2	570.7	577.6	571.	559.8	558.8	563.	564.6	568.	568.3	569.5
13.....	567.4	562.8	573.3	574.9	574.3	572.	561.9	561.7	564.3	564.4	564.5	564.1	567.1
14.....	570.7	572.5	573.9	582.1	581.1	572.6	561.	564.2	568.2	571.4	573.	580.	572.6
15.....	570.1	577.7	565.8	578.5	577.	569.	561.	557.	566.2	567.4	567 9	567.2	568.7
16.....	570.	572.6	574.9	582.3	583.4	571.7	555.9	565.8	571.8	569.6	567.	567.5	571.
17.....	565.9	568.1	569.8	575.4	574.4	562.5	559.4	558.9	567 6	568.9	565.5	567.	567.
19.....	566.6	568.7	574.9	582.6	584.6	577.6	553.	551.	560.8	570.5	573.2	599.6	571.9
20.....	580.2	582.2	573.5	568.	580.4	574.6	562.5	563.4	559.5	570.6	573.7	571.1	571.6
21.....	572.2	565.	570.4	579.3	*589.	571.9	560.5	560.5	567.7	568.3	570.5	586.8	571.8
22.....	576.5	581.7	573.2	583.2	581.7	575.7	564.3	564.4	565.4	572.5	†570.3	.....	573.5
23.....	566.8	559.9	582.5	589.7	585.	578.	562.8	561.6	564.4	569.3	581.9	588.2	574.2
24.....	602.	577.	567.5	564.9	576.3	575.1	560.3	552.	570.6	565.	572.	583.3	572.2
26.....	569.3	574.9	576.7	581.3	582.	571.3	555.9	557.7	562.	568.6	567.1	573.9	570.1
27.....	572.9	562.7	575.1	579.2	583.3	568.5	557.5	556.1	563.5	566.8	587.6	574.7	570.7
28.....	573.	569.3	570.	577.4	582.	568.9	560.7	559.	558.1	564.9	567.6	569.3	568.3
29.....	576.3	570.5	573.	577.1	579.2	568.4	554.9	553.1	558.5	565.3	570.8	569.5	568.
30.....	567.2	568.4	571.9	578.4	579.	567.9	562.5	558.4	560.6	569.	568.	569.	568.4
31.....	570.1	571.3	574.5	580.9	583.7	568.4	554.3	556.	565.5	570.6	567.7	568.1	569.3
Means	573.7	570.4	572.4	577.9	581.2	571.5	558.9	557.3	563.	567.2	570.	573.	569.7

* Eleven minutes late. † Twelve minutes late.

Göttingen time.. Observatory time	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.	Corrected means.
July 1.....	917.4	893.2	866.9	849.	847.4	864.4	880.1	916.7	952.8	946.8	926.2	898.1	896.6	204.1
2.....	876.	843.8	823.6	807.6	802.1	804.	818.1	824.5	820.6	821.7	827.	797.	822.2	195.8
3.....	767.7	737.8	720.	700.	688.1	699.4	721.3	729.5	743.4	762.3	774.2	750.5	732.8	180.7
5.....	741.	714.	695.	679.5	678.	697.4	736.	777.	843.4	862.4	850.8	849.	760.3	181.2
6.....	825.4	826.4	764.6	764.9	766.5	773.9	792.2	823.3	858.3	887.1	890.2	883.9	821.4	197.7
7.....	890.8	867.5	843.5	822.4	813.	805.4	813.7	826.2	828.4	821.6	807.6	786.2	827.2	202.2
8.....	771.6	756.7	735.7	715.5	706.4	708.4	*720.5	*731.6	*751.9	*768.6	*776.6	*762.9	742.2	173.9
9.....	*740.7	*717.6	*699.7	*687.8	*687.	*703.3	*729.4	†760.6	†786.3	†812.9	†806.9	†786.7	743.2	173.5
10.....	†773.3	†756.8	†746.8	†740.1	†742.	†749.	†768.	†792.	†827.1	†835.	†828.9	†815.5	781.2	184.5
12.....	†748.2	†721.8	†706.3	†691.7	†667.6	†705.1	†718.9	†728.2	765.5	791.7	801.5	785.9	736.	178.5
13.....	772.8	755.	733.3	723.1	721.6	745.	789.5	831.	882.5	893.2	889.	876.8	801.1	182.8
14.....	858.5	840.9	826.1	815.4	810.3	829.4	860.1	879.6	905.	915.1	903.3	891.7	861.3	195.8
15.....	886.2	867.7	853.1	843.	845.8	860.5	885.3	902.	939.8	947.4	944.1	925.2	891.7	203.2
16.....	905.	881.1	852.3	833.7	821.4	817.7	830.6	842.2	846.6	854.9	856.3	840.4	848.5	204.6
17.....	820.4	779.6	751.6	724.4	719.	730.1	748.3	766.7	842.7	847.4	839.1	820.1	782.4	188.4
19.....	801.5	776.5	751.7	734.	734.6	749.6	776.8	805.	832.7	863.8	856.7	850.3	794.4	185.6
20.....	825.2	812.6	771.8	770.	758.5	764.8	805.4	844.2	866.8	896.6	902.5	873.	824.3	192.5
21.....	838.1	808.3	781.6	760.	‡757.9	777.7	801.5	831.3	857.1	874.9	866.2	857.	817.6	200.7
22.....	835.4	813.	801.8	777.2	784.2	809.	841.5	880.	905.3	926.	§919.5	....	844.8	204.9
23.....	905.5	898.1	886.6	842.4	829.5	846.8	880.7	900.7	889.1	966.6	978.5	961.	898.8	210.3
24.....	944.	923.5	911.	899.	895.	894.	915.8	924.6	968.4	993.2	991.9	983.1	937.	221.5
26.....	930.3	911.9	895.5	874.4	860.	849.7	848.4	849.9	888.9	875.9	860.4	832.8	873.2	223.5
27.....	813.1	781.5	751.6	725.7	719.	722.6	747.1	779.1	802.2	826.5	831.6	827.3	777.3	200.9
28.....	811.	788.4	778.4	767.1	764.3	777.4	807.4	830.3	855.1	866.3	857.1	838.9	811.8	204.3
29.....	817.4	788.9	752.7	729.1	720.	724.8	742.	757.1	786.	805.1	806.8	794.8	768.7	200.4
30.....	775.4	755.8	740.	721.1	715.7	735.	769.3	790.6	796.9	795.4	785.2	771.2	762.6	194.3
31.....	757.2	751.	738.8	728.2	725.8	725.	723.3	718.7	713.	706.	693.3	681.2	721.8	190.
Means.....	827.7	806.3	784.4	767.6	762.2	772.9	795.2	816.4	842.8	857.9	854.5	836.2	810.3	
Corrected means	213.5	211.	202.6	192.5	187.1	180.3	175.6	175.8	186.7	195.1	211.9	215.2		195.4

* Ten seconds late. † One minute late. ‡ Twelve minutes late. § Thirteen minutes late.

Göttingen time / Observatory time	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means.
July 1	82.	81.9	81.5	81.	81.3	82.	84.2	86.5	86.9	85.9	84.	82.6	83.3
2	81.	79.3	78.7	77.6	77.	77.1	79.	79.1	79.	79.	78.	75.5	78.4
3	74.	72.	71.	70.9	70.	71.5	73.3	73.6	74.9	75.6	75.	72.8	72.9
5	72.	71.	70.	69.2	70.	72.2	75.4	78.8	81.3	81.	80.	78.2	74.9
6	77.	71.3	75.	75.	75.	76.2	78.3	80.2	82.8	83.3	82.8	81.6	78.2
7	81.5	80.8	77.	78.	77.	77.6	79.	79.8	79.	78.	76.7	75.4	78.3
8	75.3	74.2	73.	71.9	72.	72.2	73.6	75.4	75.3	76.5	75.8	74.1	74.1
9	73.	71.9	70.8	70.8	71.	72.5	74.3	76.5	78.	78.8	76.9	75.7	74.2
10	74.9	74.6	74.	73.8	73.9	75.	76.3	77.5	80.	79.6	78.	77.2	76.2
12	72.1	70.9	70.9	70.	69.9	71.	72.9	74.5	76.5	78.8	76.8	75.7	73.3
13	74.6	73.9	72.5	72.	72.9	76.	78.8	81.8	83.6	83.9	82.3	81.	77.8
14	80.1	78.8	78.1	77.8	78.	80.	82.5	83.8	84.8	85.	83.3	82.9	81.3
15	81.9	81.	79.9	80.	80.8	81.2	83.7	85.8	86.5	86.5	85.1	83.7	83.
16	82.4	81.9	79.5	79.	77.	78.	79.8	79.9	80.1	80.9	79.8	78.2	79.7
17	76.3	75.	73.	72.3	72.3	73.8	75.2	77.8	81.	79.7	78.	77.	76.
19	76.1	75.	73.8	73.	73.7	74.8	77.	78.8	81.	82.5	80.8	78.7	77.1
20	77.2	76.3	75.	74.9	74.7	76.3	80.	82.	83.9	84.	82.	79.2	78.8
21	77.8	75.8	74.6	73.2	74.2	76.	78.5	80.5	81.3	81.9	80.	78.1	77.7
22	77.	76.	76.	75.2	76.5	78.8	81.	84.	....	85.	84.6	....	79.4
23	82.	80.9	79.8	78.6	78.5	80.5	83.5	85.5	87.2	88.5	86.8	84.6	83.
24	83.2	82.1	81.2	80.5	81.3	83.	86.	88.2	90.	89.8	88.3	86.8	85.
26	83.6	82.3	81.3	81.	79.2	79.	79.3	80.	81.2	80.9	78.4	76.7	80.2
27	75.7	74.	72.	71.2	70.7	72.	74.	76.5	77.9	78.5	77.6	76.8	74.7
28	75.9	75.	74.6	74.	74.2	76.	78.	80.2	80.3	80.9	78.7	76.8	77.
29	75.2	74.1	72.4	71.	71.	71.4	73.2	75.2	76.3	78.3	76.	74.8	74.1
30	76.2	72.	71.	70.	71.6	74.	76.	76.3	76.9	75.9	75.	74.	74.1
31	73.8	73.1	72.3	71.9	71.5	71.5	71.8	71.5	71.	70.2	69.5	68.8	71.4
Means	77.5	76.1	75.1	74.6	74.6	75.9	77.9	79.6	80.6	81.1	79.6	78.	77.6

Göttingen time.. Observatory time	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
July 1.....	458.9	457.2	442.8	445.6	454.3	470.5	487.2	479.3	456.2	446.	484.4	473.5	463.	315.4
2.....	453.	451.8	444.2	433.4	445.4	451.4	461.2	419.3	411.6	433.5	435.2	432.4	439.4	306.
3.....	413 2	408.7	414.1	407.3	421.8	441.8	446.5	429.1	407.5	425.1	430.2	421.2	422.2	305.6
5.....	405.7	414.3	400.5	409.	411.4	452.8	438.1	430.9	436.4	449.	482.1	447.1	431.4	307.3
6.....	483.1	414.2	427 3	452.	409.5	443.5	445.	425.9	421.2	417.3	469.6	447.2	438.2	303.4
7.....	470 6	473.1	456.3	448.	442.6	463.2	470.9	449.8	435.9	444.1	445.5	443.8	453.6	320.2
8.....	442 9	433.8	435.	430.3	437 4	457.5	460.8	438.5	420.5	428.7	437.3	440.7	438.6	318.8
9.....	432.5	424.3	419.3	413.6	441.9	466.8	446.6	426.6	431.2	435.1	440.8	434.6	434.4	312.6
10.....	429.1	426.7	428.5	420.	426.	447.2	437.8	431.	415.9	451.1	448.9	436.7	433.2	305.9
12.....	426.7	434.8	431.3	427.	441.4	451.9	434.3	417.2	421.5	450.6	452.7	463.3	437.7	318.5
13.....	452.4	447.9	434.5	435.1	448.	451.3	456.6	445.9	474.4	481.1	492.6	477.	458.1	325.9
14.....	475.	475.4	461.	457.	466 5	482.8	464.9	443.7	475.5	478.2	518.1	525.7	477.	334.
15.....	528.9	488.1	496.9	472.	495.4	500.	491.6	490.4	490.1	494.5	503.8	493.	495.4	347.5
16.....	475.3	486.	477.7	470.	471.8	464.9	448.9	445.2	459.3	464.3	464.6	451.6	465.	328.1
17.....	453.6	447.1	442.2	440.	456.3	449.1	432.8	425.	434.5	460.	461.8	448.	445.9	320.
19.....	432.9	428.	433.1	428.	441.5	460.9	467.8	432.8	439.7	441.2	508.6	516.2	452.6	319.2
20.....	483.1	480.7	452.1	455.	467.1	476.9	519.3	478.2	533.5	487.8	485.4	459.1	481.5	345.5
21.....	460.3	453.4	462.9	454.7	497.6	499.2	481.5	454.1	460.7	484 1	479.2	467.6	471.3	340.8
22.....	500.	467.4	460.4	469.9	495.3	497.8	489.7	464.7	476.5	495.9	*501.1	.....	483.5	344.9
23.....	477.1	466.1	460.7	466.4	486.	522.4	502.4	485.4	477.7	517.1	537.1	546.2	495.4	347.5
24.....	489.7	518.	474.2	523.	553.2	531.5	528.	507.6	486.	549.8	541.	532.8	519.6	365.3
26.....	505.3	506.1	495.4	502.	507.7	521.6	516.	488.1	485.5	506.6	487.7	485.6	500.6	363.1
27.....	474.6	480.1	459.7	468.3	488.5	487.9	478.3	476.	466.7	484.5	476.4	470.8	476.	353.9
28.....	496.5	481.8	481.2	479.1	486.3	496.	502.6	478.1	493.9	520.5	495.9	485.4	491.4	358.
29.....	480.9	486.1	472.4	460.4	462.3	473.4	451.4	447.8	491.2	488.9	493.2	482.	474.2	354.4
30.....	482.	479.9	480.2	474.7	491.7	491.4	482.1	483.7	490.1	482.1	479.6	470.7	482.3	361.4
31.....	473.3	468.2	473.4	466.8	486.1	500.9	478.2	450.2	446.	450.8	454.4	453.	466.7	354.2
Means.....	465.1	459.2	452.5	452.2	464.2	476.1	471.1	453.5	457.1	469.2	478.	469.4	463.9	
Reduced to 32° F.	334.9	332.5	329.5	331.7	341.5	349.7	338.9	316.	315.3	325.9	339.7	337.5		332.5

* Twelve minutes late.

Göttingen time / Observatory time	h. m. 6 02½ / 0 22	h. m. 8 02½ / 2 22	h. m. 10 02½ / 4 22	h. m. 12 02½ / 6 22	h. m. 14 02½ / 8 22	h. m. 16 02½ / 10 22	h. m. 18 02½ / 12 22	h. m. 20 02½ / 14 22	h. m. 22 02½ / 16 22	h. m. 0 02½ / 18 22	h. m. 2 02½ / 20 22	h. m. 4 02½ / 22 22	Means.
July 1	82.7	81.2	80.	80.	81.	82.	84.	86.	86.2	85.8	83.8	81.9	82.9
2	80.3	78.5	77.8	77.	76.	76.7	78.1	80.	80.	80.	77.3	74.7	78.
3	73.	71.5	69.3	69.	69.2	71.	72.3	73.5	74.7	76.	75.	72.	72.2
5	71.4	70.3	69.	68.5	70.	72.3	75.4	79.	81.5	81.5	80.	78.2	74.8
6	77.	76.	74.	74.5	75.2	76.	78.	80.8	83.	83.5	82.9	81.6	78.5
7	81.3	80.	77.	77.9	77.	77.2	78.2	79.3	78.8	78.	76.2	74.9	78.
8	74.2	73.	72.	70.8	71.	72.	72.8	74.	74.8	76.	75.8	73.8	73.3
9	72.	71.	70.2	70.	71.	72.5	74.2	76.5	78.8	79.6	77.	75.5	74.
10	74.1	74.2	73.8	73.	73.4	74.	76.4	77.7	78.7	79.7	78.5	77.6	75.9
12	72.4	71.3	70.	68.9	69.5	70.8	72.3	74.2	76.8	78.	77.	75.6	73.1
13	74.2	73.	72.4	71.6	72.	76.	78.4	81.	83.2	84.8	82.8	81.3	77.6
14	80.	79.	78.	77.2	78.	80.	82.	84.6	85.3	85.6	83.3	82.7	81.3
15	82.	80.6	80.	79.	80.7	82.	83.6	85.4	87.3	87.2	85.3	83.5	83.
16	82.1	80.6	78.4	77.9	76.4	77.3	79.	79.4	80.3	81.	79.6	77.9	79.2
17	76.	73.2	72.	71.3	71.7	72.8	75.	77.	80.	79.8	78.5	77.	75.4
19	75.	74.2	72.8	72.1	73.8	75.	77.4	79.3	81.5	83.	81.	78.7	78.
20	77.	76.	74.2	74.	74.4	76.4	80.3	82.6	84.7	85.	82.3	79.3	78.9
21	77.4	75.1	73.4	72.6	74.	75.	78.	80.	81.5	84.	80.2	73.	77.
22	76.2	75.4	75.	74.4	76.3	79.	81.3	83.3	86.	86.	85.3	....	79.8
23	82.	80.3	79.	79.	79.	80.5	83.5	85.	87.4	89.	87.	84.8	83.
24	83.	82.	81.	80.6	81.3	83.	86.	88.7	90.9	90.1	88.7	86.9	85.2
26	83.	82.	80.3	80.	79.2	78.	78.2	79.	79.2	80.	77.8	76.	79.4
27	74.5	72.8	71.	70.	70.	71.2	73.	75.2	78.	78.8	77.6	76.6	74.1
28	75.5	74.2	74.	73.1	74.	75.2	77.5	79.5	81.2	83.2	79.3	76.8	78.
29	74.6	73.	71.3	70.	70.	70.5	72.	74.5	76.2	77.3	76.	74.	73.3
30	73.	72.1	71.2	70.	71.	73.2	76.	76.4	76.8	75.8	74.8	73.7	73.7
31	73.	72.4	71.8	71.8	71.	71.	71.	71.	70.4	69.4	68.7	68.	70.8
Means	76.9	75.7	74.4	73.9	74.3	75.6	77.6	79.4	80.9	81.4	79.7	77.5	77.3

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 52½	h. m. 14 00	h. m. 14 07½	h. m. 13 50	h. m. 13 57½	h. m. 14 05	Temperature Fahrenheit.	h. m. 13 55	h. m. 14 02½	h. m. 14 10	Temperature Fahrenheit.
Observatory time	8 12	8 19½	8 27	8 09½	8 17	8 24½		8 14½	8 22	8 29½	
July 1.....	582.3	582.	582.	816.1	847.4	848.6	81.3	452.5	454.3	455.1	81.
2.....	584.5	586.	585.8	804.8	802.1	802.	77.	445.1	445.4	445.6	76.
3.....	583.7	582.3	582.2	687.9	688.1	689.1	70.	420.1	421.8	426.6	69.2
5.....	581.7	581.3	581.8	677.4	678.	678.8	70.	409.	411.4	412 3	70.
6.....	581.8	581.2	580.7	766.	766.5	766.	75.	416.4	409.5	416.2	75.2
7.....	580.	579.8	582.	813.3	813.	811.4	77.	445.9	442.6	442.9	77.
8.....	581.	580.5	580.2	706.3	706.4	707.	72.	433.3	437.4	436.9	71.
9.....	578.6	578.9	578.7	686.9	687.	687.8	71.	439.7	441.9	443.9	71.
10.....	586.5	586.	586.	742.1	742.	742.6	73.9	425.1	426.	425.	73.4
12.....	578.2	577.6	577.2	687.6	667.6	687.6	69.9	439.1	441.4	436.5	69.5
13.....	.....	574.3	575.	.....	721.6	722.5	72.9	.....	448.	447.4	72.
14.....	580.6	581.1	581.5	810.2	810.3	810.3	78.	468.2	466.5	466.2	78.
15.....	575.9	577.	577.1	844.9	845.8	846.0	80.8	495.8	495.4	493.2	80.7
16.....	584.4	583.4	583.9	818.8	821.4	817.2	77.	471.4	471.8	471.8	76.4
17.....	575.	574.4	574.	719.2	719.	718.9	72.3	455.	456.3	457.6	71.7
19.....	588.3	584.6	587.1	733.8	734.6	735.9	73.7	442.4	441.5	444.4	73.8
20	575.4	580.4	579.	755.2	758.5	756.8	74.7	469.6	467.1	472.7	74.4
21.....	.....	*589.	.....	.....	*757.9	.....	74.2	.....	497.6	.....	74.
22.....	.....	581.7	.....	.....	784.2	.....	76.5	.....	495.3	.....	76.3
23.....	586.1	585.	586.1	829.5	829.5	829.1	78.5	485.	486.	495.6	79.
24.....	580.	576.3	570.	896.1	895.	892.4	81.3	550.9	553.2	558.	81.3
26.....	581.7	582.	581.1	860.7	860.	859.	79.2	504.6	507.7	513.4	79.2
27.....	584.5	583.3	582.6	719.3	719.	719.	70.7	485.1	488.5	493.6	70.
28.....	582.4	582.	582.3	764.4	764.3	764.6	74.2	485.5	486.3	484.4	74.
29.....	578.7	579.2	578.8	720.	720.	720.	71.	457.6	462.3	460.2	70.
30.....	580.3	579.	579.	715.1	715.7	715.8	71.6	488.5	491.7	491.7	71.
31.....	582.8	583.7	583.2	725.4	725.8	725.8	71.5	483.1	486.1	488.6	71.

* Twelve minutes late.

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
Aug. 2	586.	574.7	574.8	585.	581.	569.2	550.5	553.7	566.5	569.5	589.3	599.	574.9
3	581.	573.2	576.4	586.3	585.5	575.7	561.8	559.	565.8	572.4	571.7	569.8	573.2
4	567.1	574.6	570.	581.5	587.	573.	563.7	558.7	568.2	567.8	569.	573.7	571.2
5	567.8	569.8	570.	574.1	586.1	574.3	562.	556.8	561.2	560.4	571.5	581.1	569.6
6	581.8	584.	581.1	586.9	557.4	575.4	545.6	554.2	576.1	560.1	602.6	573.2	573.2
7	574.	573.1	574.3	580.	589.1	573.6	560.8	559.9	565.2	567.	568.9	568.9	571.2
9	567.5	567.3	566.8	578.6	577.3	561.	558.2	560.	566.	564.8	563.5	562.9	566.2
10	567.7	572.	576.9	580.4	580.3	569.8	560.7	561.1	565.4	564.7	565.5	566.6	569.3
11	567.3	569.	571.2	575.8	574.	563.3	558.	554.4	558.	558.8	568.7	573.	566.
12	573.5	582.2	563.9	583.7	583.6	566.5	561.5	563.8	564.	563.4	564.8	566.	569.7
13	567.8	568.5	571.7	576.9	576.6	561.8	555.3	560.	566.	564.6	565.1	565.1	566.6
14	567.6	570.	570.	577.4	585.5	568.	554.8	557.8	561.7	571.	572.7	588.2	570.4
16	564.9	565.9	567.4	578.4	581.4	566.	554.	552.	559.8	566.8	571.6	606.	569.5
17	568.1	561.3	572.5	582.9	584.8	566.9	554.7	550.	562.3	566.9	566.3	576.5	567.8
18	567.2	565.3	562.8	577.4	588.1	569.1	559.	559.	566.5	573.4	571.	571.	569.1
19	570.3	568.6	570.1	581.8	590.1	575.5	561.6	557.2	563.6	570.4	569.2	582.1	571.7
20	570.8	568.7	569.1	579.	584.	569.2	555.8	552.7	561.1	570.7	574.9	572.	569.
21	570.2	570.	570.5	578.5	584.2	569.6	557.	550.2	553.3	566.9	567.6	570.2	567.3
23	572.6	576.5	585.	587.4	587.	574.4	563.2	557.3	554.3	564.8	598.2	572.2	574.4
24	582.5	556.9	578.9	574.5	581.7	564.4	556.8	559.1	562.7	564.2	563.2	564.	567.4
25	565.8	566.9	570.1	573.8	579.	561.6	549.6	552.9	557.5	564.4	560.	567.	564.
26	566.2	570.2	572.5	577.4	579.	566.5	547.6	551.8	553.1	552.3	580.	610.	568.9
27	581.7	588.4	545.2	582.2	564.	567.	557.1	561.	564.9	565.6	571.	567.4	568.
28	559.	569.4	572.9	569.5	588.6	575.	560.	561.	566.	580.7	585.6	602.3	574.2
30	570.2	573.6	567.4	581.5	595.2	*588.4	*581.	*583.5	566.8	568.9	567.	567.4	573.1
31	561.5	569.3	577.8	589.3	585.5	566.8	556.5	560.	568.	595.9	582.2	572.	573.7
Means	570.8	571.1	571.1	580.	582.2	568.9	557.	556.9	563.2	567.6	573.1	576.4	569.96

* Needle out of place.

Göttingen time.. Observatory time	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.	Reduced to 32° F.
Aug. 2.....	698.5	677.7	660.2	658.1	657.2	670.	700.4	737.8	767.1	780.	784.3	810.5	716.8	179.5
3.....	767.3	733.1	695.6	690.3	691.8	711.9	731.	747.7	791.8	810.4	838.4	821.8	752.6	177.5
4.....	817.3	810.1	790.3	758.1	748.3	751.	784.3	809.2	836.2	867.	876.7	863.4	809.3	193.7
5.....	849.2	837.5	830.	813.6	802.7	804.7	799.7	790.6	768.3	775.9	773.	764.	800.8	193.3
6.....	746.7	733.	730.1	708.3	720.3	723.	744.	746.	*747.4	774.5	827.6	786.6	749.	171.2
7.....	777.9	775.	761.9	741.	728.1	739.8	756.9	781.5	810.	834.5	848.5	841.8	783.1	186.4
9.....	802.8	791.8	782.2	778.	775.5	769.5	782.2	798.3	822.8	846.	863.	850.1	805.2	191.
10.....	838.5	830.	822.	805.6	808.9	817.	830.	838.4	840.	843.5	840.4	831.4	828.8	194.3
11.....	821.3	813.6	808.7	804.	803.4	806.	810.1	826 8	836.7	838.7	828.1	822.7	818.3	191.9
12.....	807.5	806.1	790.1	778.2	765.	769.5	781.5	793.8	806.8	805.	793.7	776.8	789.5	195.5
13.....	760.6	740.5	726.9	719.9	718.	732.7	751.	766.2	795.4	790.5	786.7	778.1	755.5	183.1
14.....	767.	755.2	740.1	727.2	720.2	723.	742.5	763.	784.8	807.	808.3	789.6	760.7	177.5
16.....	777.	753.5	727.4	706.3	698.3	705.3	726.1	751.3	762.8	781.	788.7	786.8	747.	177.3
17.....	762.3	731.2	718.7	685.9	673.	692.	721.3	747.4	775.7	803.8	812.2	808.	744.3	176.
18.....	779.5	765.3	748.	731.1	770.4	722.2	746.5	*794.2	809.2	824.3	818.5	803.7	776.1	186.2
19.....	787.2	768.8	747.7	724.1	716.8	721.4	745.6	769.6	800.5	830.1	838.	834.5	773.7	178.4
20.....	816.7	802.5	787.	770.6	762.8	772.5	804.1	851.8	882.	896.9	899.6	886.6	827.8	186.6
21.....	868.	858.	847.2	836.7	828.9	834.7	853.2	865.7	878.7	881.5	871.	854.8	856.5	192.3
23.....	772.	763.4	747.5	731.2	723.5	728.1	739.	744.9	749.5	758.	‡.....	.....	745.7	172.
24.....	.....	.....	.....	.....	.....	699.6	720.7	†713.1	780.8	792.1	791.4	777.6	760.4	182.6
25.....	761.2	741.5	721.9	698.9	690.	699.8	732.2	740.3	756.8	778.4	781.6	769.7	738.6	183.8
26.....	749.5	725.1	698.8	687.4	677.7	690.	694.5	690.8	680.2	674.1	670.1	708.9	695.6	175.9
27.....	694.7	692.7	677.3	670.9	676.9	677.7	690.	713.7	732.	752.6	763.	766.7	709.	166.3
28.....	794.5	787.9	778.7	787.	779.7	778.8	779.	783.1	785.2	788.6	787.4	815.3	787.1	187.7
30.....	845.4	845.1	831.1	816.5	810.3	798.2	805.2	815.2	829.7	853.	857.	848.	829.6	196.5
31.....	832.5	822.	812.8	785.2	774.	771.3	778.7	799.5	810.6	824.3	829.5	821.	805.1	190.9
Means.....	787.8	774 4	759.3	744.6	740.9	742.7	759.3	778.7	793.9	808.1	815.1	808.7	776.11	
Reduced to 32° F.	197.9	196.6	192.3	185.7	186.1	174.4	166.7	169.9	170.2	179.	194.1	201.2		184.14

* One minute late.
† Sun shining on box.
‡ This and the six following observations have been omitted, on account of the needle being fixed by a spider's line, which was attached to the mirror.

Göttingen time / Observatory time	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means.
Aug. 2	69.3	68.6	67.6	68.	67.7	69.7	72.6	75.	76.	76.9	75.9	74.8	71.8
3	73.9	72.	70.4	69.8	70.2	72.	74.6	77.	78.3	79.9	79.	77.8	74.6
4	76.9	76.	75.1	74.	74.	75.	77.	79.	81.	82.1	81.2	80.	77.6
5	79.2	79.	78.2	77.6	76.8	77.	77.	77.	76.9	76.	75.1	74.3	77.
6	73.6	72.	71.9	71.1	71.6	73.2	75.8	77.	78.5	79.	78.1	76.2	74.8
7	75.8	74.1	73.9	73.	72.5	74.2	75.7	77.3	79.1	80.5	80.	78.8	76.2
9	76.1	75.6	75.9	75.6	75.	75.3	77.	78.4	80.	80.8	80.3	80.	77.5
10	79.9	78.8	78.2	77.	77.6	78.5	80.	80.	80.2	80.	79.8	78.5	79.
11	78.3	78.	77.4	77.4	77.	77.2	78.4	79.5	80.	79.9	79.	78.6	78.4
12	77.	76.6	75.9	75.	74.3	75.	76.3	77.	77.1	76.7	75.8	74.9	76.
13	74.1	73.	72.2	72.	72.1	73.6	75.	76.2	76.8	76.8	76.	75.1	74.4
14	75.	74.2	73.2	72.8	72.	73.3	75.3	76.2	78.	78.9	77.8	75.8	75.2
16	74.7	73.2	72.7	71.	71.	72.2	74.5	75.6	76.5	77.2	77.	75.4	74.2
17	74.2	71.4	70.3	69.2	69.8	72.	74.5	75.8	77.8	78.9	78.5	76.6	74.1
18	75.7	74.9	73.2	72.	72.	73.2	75.3	77.2	80.5	79.7	78.2	76.9	75.7
19	75.9	74.6	73.7	73.	72.1	73.8	75.8	77.	79.1	80.1	79.7	78.9	76.1
20	77.9	77.	76.	75.	75.2	77.	80.3	82.2	83.9	83.9	83.	82.1	79.5
21	81.4	80.8	80.	79.7	79.	80.5	82.	83.1	83.9	82.7	81.	80.4	81.2
23	75.3	74.4	73.6	73.	72.4	73.5	75.	75.5	75.9	76.	....	....	74.5
24	....	....	....	....	....	71.4	73.5	75.8	76.1	76.9	75.5	74.4	74.8
25	73.2	72.	70.9	70.	70.	71.3	74.	74.4	75.7	76.1	75.7	74.5	73.1
26	72.	70.9	70.	69.6	69.	70.	71.	71.1	71.1	70.9	70.6	70.1	70.5
27	70.	69.8	69.6	69.3	69.2	70.2	71.9	74.	74.8	75.8	75.8	76.	72.2
28	76.	76.4	76.2	76.	75.9	76.	76.8	77.	77.	77.	76.8	76.3	76.4
30	79.6	78.5	78.2	77.3	76.8	77.	78.3	79.2	80.7	81.3	80.6	79.5	78.9
31	78.	77.2	76.5	76.	75.1	75.8	76.8	78.	79.	80.	79.	78.9	77.5
Means	75.7	74.8	74.	73.4	73.1	74.1	75.9	77.1	78.2	78.6	78.	77.	75.85

Göttingen time.. Observatory time	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
Aug. 2.....	449.6	471.5	447.5	453.4	476.3	476.6	464.1	467.4	465.9	486.1	535.9	480.4	472.9	358.1
3.....	505.	480.6	460.	452.3	461.6	494.5	480 5	487.5	489.5	526.1	494.5	497.5	485.8	363.1
4.....	500.2	518.6	497.7	484.3	501.8	511.	517.7	503.5	493.	503.9	505.7	487.4	502.1	369.9
5.....	490.6	491.1	495.	493.2	499.	543.2	496.3	486.3	502.4	508.7	499.5	516.1	501.8	372.8
6.....	496.6	489.	511.8	495.3	511.2	483.	528.4	497.4	483.9	523.1	532.3	542.9	507.9	384.1
7.....	511.	505.4	510.6	517.1	508.3	531.4	513.3	502.2	498.6	512.3	523.2	518.8	512.7	384.8
9.....	503.8	500.	467.1	467.5	486.	493.5	487.3	475.8	466.7	493.7	493.7	497.1	486.	354.3
10.....	504.8	495.3	488.2	480.1	508.7	515.	498.6	500.	507.1	509.1	501.	496.6	500.4	364.4
11.....	501.2	502.6	501.2	504.	524.5	537.8	502.3	479.	511.9	507.6	555.7	548.	514.6	381.2
12.....	523.8	535.1	521.8	499.8	508.4	518.3	459.4	452.2	480.7	493.3	489.	490.8	497.7	372.1
13.....	481.1	480.3	478.3	485.	502.	514.2	497.7	495.	490.3	503.	487.8	488.9	492.	370.2
14.....	478.3	471.1	475.2	467.	492.2	511.7	500.	458.8	479.1	466.3	517.2	525.8	486.9	363.1
16.....	507.4	502.6	498.1	494.4	521.1	538.7	550.4	507.	516.1	524.3	543.8	516.4	518.4	397.8
17.....	508.9	504.6	506.6	499.4	522.7	562.	519.	508.	501.8	519.7	521.9	528.	516.9	396.3
18.....	512.9	508.1	508.	507.4	515.9	553.2	538.1	519.9	521.1	535.7	523.8	513.8	521.5	396.2
19.....	508.1	509.7	508.3	498.	520.6	545.7	535.6	508.8	510.	517.6	521.4	512.3	516.3	389.6
20.....	513.7	501.4	506.6	499.	524.8	552.3	550.7	540.7	533.5	529.1	538.6	534.1	527.	389.5
21.....	530.	526.4	525.	515.7	530.4	557.4	551.7	524.9	523.	552.2	523.2	526.	532.2	390.4
23.....	525.2	516.3	504.7	511.3	517.7	533.4	530.3	540.8	506.2	529.9	533.9	528.8	523.2	402.6
24.....	524.	530.7	518.9	513.1	537.5	550.	517.3	504.5	524.2	513.9	515.3	507.1	521.4	404.
25.....	503.5	511.5	505.	494.8	515.9	540.4	518.	489.8	503.3	539.8	532.7	538.6	516.1	398.4
26.....	516.6	516.2	511.	509.7	501.6	532.1	545.4	509.	522.3	576.7	579.5	554.9	531.3	421.7
27.....	584.	539.3	506.2	490.6	514.	525.1	507.3	503.8	496.8	518.1	505.4	514.9	518.8	403.1
28.....	516.3	522.2	521.8	512.6	553.3	564.3	563.6	516.5	521.5	533.9	545.8	547.1	534.9	406.1
30.....	525.6	530.5	526.9	521.4	542.1	568.9	542.1	515.5	524.5	527.3	531.6	530.7	532.3	397.2
31.....	504.9	516.2	516.4	516.6	547.4	565.3	548.	513.	506.1	550.	562.4	518.5	530.4	399.6
Means.....	508.7	506.8	500.7	495.5	513.3	531.5	518.6	500.3	503.1	519.3	523.6	517.7	511.59	
Reduced to 32° F.	383.7	384.4	380.9	377.8	395.6	410.6	392.7	369.8	369.7	384.5	391.1	388.7		385.73

Göttingen time / Observatory time	h. m. 6 02½ / 0 22	h. m. 8 02½ / 2 22	h. m. 10 02½ / 4 22	h. m. 12 02½ / 6 22	h. m. 14 02½ / 8 22	h. m. 16 02½ / 10 22	h. m. 18 02½ / 12 22	h. m. 20 02½ / 14 22	h. m. 22 02½ / 16 22	h. m. 0 02½ / 18 22	h. m. 2 02½ / 20 22	h. m. 4 02½ / 22 22	Means.
Aug. 2	68.8	68.	67.	67.	67.7	69.2	72.2	74.8	76.2	77.	76.1	74.8	71.6
3	73.	71.3	70.4	69.	70.	71.4	74.	76.5	78.6	80.	79.3	77.8	74.3
4	76.9	75.6	74.2	72.9	73.2	75.	77.5	79.6	81.7	82.9	81.7	80.	77.6
5	79.3	78.8	78.	77.	76.	76.8	77.	77.	76.	75.3	74.4	73.	76.5
6	71.8	71.2	71.	70.8	71.7	73.8	75.9	78.	78.9	79.2	78.	76.3	74.7
7	75.4	74.	73.8	72.5	72.5	74.	75.5	77.3	79.	80.8	80.1	78.8	76.1
9	76.1	75.3	75.	75.	74.4	75.	76.8	79.3	80.8	81.	80.6	79.9	77.4
10	80.	79.2	77.8	77.	77.2	78.	80.	80.	80.1	80.	79.	78.2	78.9
11	78.	77.4	77.	76.9	76.2	77.	78.	79.2	80.1	79.9	78.9	77.2	78.
12	77.	76.	75.	74.	73.3	74.	75.	76.5	77.	76.3	75.4	74.1	75.3
13	73.2	72.3	72.	71.	71.7	73.	75.	76.	76.	76.9	76.	75.	74.
14	74.2	73.3	72.6	72.	71.	73.	75.	76.	78.	79.	77.4	74.7	74.7
16	74.2	72.8	71.4	70.	70.	71.2	73.	75.	76.9	77.	76.9	75.	73.6
17	72.9	70.8	69.	68.8	69.2	71.4	74.	76.2	77.5	79.1	78.6	76.2	73.6
18	75.2	74.	73.	71.3	71.	72.7	75.	77.5	79.	79.3	78.1	76.6	75.2
19	75.6	74.	72.4	71.8	72.	73.	75.	77.2	79.	80.	79.6	78.3	75.7
20	77.2	76.5	75.4	75.	75.5	77.2	80.	82.5	84.	84.8	83.2	82.	79.4
21	81.1	80.4	79.6	79.	79.	80.	82.	83.2	83.7	82.	80.8	79.9	80.9
23	74.5	73.2	72.5	72.	71.5	72.4	73.6	74.8	75.	75.3	75.	73.6	73.6
24	72.5	71.8	70.2	69.8	69.5	71.	72.3	74.3	75.	75.8	75.	....	72.5
25	72.3	71.2	70.	69.	70.	71.	73.	74.3	75.	76.1	75.1	73.9	72.6
26	72.	70.4	69.	68.	68.	69.2	70.	70.7	70.7	70.3	70.	69.8	69.8
27	69.4	69.	69.	69.	69.	70.	71.2	73.5	74.9	76.	76.	76.	71.9
28	76.	76.3	76.1	76.3	75.4	75.8	76.7	77.1	77.1	77.1	77.	76.5	76.4
30	79.2	78.5	78.	77.3	76.2	76.4	77.8	79.	80.4	81.2	80.2	79.	78.6
31	78.1	77.	76.	75.	75.8	75.8	76.2	77.	78.6	79.9	78.5	77.	77.1
Means	75.1	74.2	73.3	72.6	72.6	73.7	75.4	77.	78.	78.5	77.7	76.5	75.4

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 52½	h. m. 14 00	h. m. 14 07½	h. m. 13 50	h. m. 13 57½	h. m. 14 05	Temperature Fahrenheit.	h. m. 13 55	h. m. 14 02½	h. m. 14 10	Temperature Fahrenheit.
Observatory time	8 12	8 19½	8 27	8 09½	8 17	8 24½		8 14½	8 22	8 29½	
Aug. 2.....	583.2	581.	579.6	656.8	657.2	657.8	67.7	473.6	476.3	475.5	67.7
3.....	585.	585.5	583.7	690.1	691.8	693.	70.2	451.	461.6	470.7	70.
4.....	587.	587.	585.8	747.8	748.3	748.3	74.	497.	501.8	501.9	73.2
5.....	586.6	586.1	587.3	802.6	802.7	802.4	76.8	492.	499.	499.8	76.
6.....	554.7	557.4	556.9	718.	720.3	720.8	71.6	516.	511.2	513.8	71.7
7.....	589.3	589.1	590.7	729.1	728.1	728.2	72.5	507.	508.3	506.5	72.5
9.....	578.1	577.3	576.3	775.5	775.5	775.	75.	484.	486.	489.2	74.4
10.....	580.2	580.3	579.7	808.5	808.9	808.9	77.6	506.	508.7	509.9	77.2
11.....	574.5	574.	573.	803.5	803.4	802.8	77.	524.6	524.5	526.1	76.2
12.....	584.6	583.6	583.8	765.3	765.	764.5	74.3	512.9	508.4	515.8	73.3
13.....	577.1	576.6	575.1	718.	718.	718.1	72.1	501.7	502.	503.3	71.7
14.....	586.4	585.5	585.1	720.6	720.2	720.	72.	489.8	492.2	496.6	71.
16.....	581.5	581.4	580.4	698.2	698.3	698.1	71.	523.	521.1	524.4	70.
17.....	586.	584.8	584.1	672.2	673.	674.	69.8	516.8	522.7	528.5	69.2
18.....	588.5	588.1	587.9	770.7	770.4	769.3	72.	518.	515.9	523.7	71.
19.....	590.1	590.1	590.1	717.	716.8	716.9	72.1	518.3	520.6	522.8	72.
20.....	584.1	584.	583.	792.5	762.8	762.9	75.2	522.2	524.8	526.4	75.5
21.....	585.	584.2	583.5	829.6	828.9	828.3	79.	526.1	530.4	531.8	79.
23.....	585.5	587.	588.	724.	723.5	723.4	72.4	515.3	517.7	517.6	71.5
24.....	581.8	581.7	581.8	.....	.....	.....	....	534.6	537.5	541.8	69.5
25.....	579.6	579.	578.2	690.	690.	690.2	70.	509.8	515.9	517.3	70.
26.....	579.	579.	578.6	677.7	677.7	677.9	69.	503.	501.6	503.6	68.
27.....	566.	564.	564.2	676.	676.9	677.7	69.2	510.7	514.	511.4	69.
28.....	.....	588.6	.....	.....	779.7	.....	75.9	.....	553.3	.....	75.4
30.....	596.	595.2	596.6	810.5	810.3	809.2	76.8	538.	542.1	542.9	76.2
31.....	587.	585.5	583.4	774.4	774.	773.2	75.1	548.6	547.4	551.	75.8

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
Sept. 1	574.	550.4	581.7	588.6	589.	562.1	556.3	556.7	562.	566.	561.9	564.4	567.8
2	561.6	563.	564.2	570.	565.4	.....	549.	557.	563.1	563.1	573.3	565.	563.2
3	562.9	555.8	565.3	567.9	566.2	555.	550.8	551.9	561.	567.4	561.6	565.3	560.9
4	561.3	560.9	558.1	562.8	565.2	563.7	551.1	546.	554.2	561.4	562.3	561.8	559.1
6	565.8	564.	566.3	570.	573.8	566.	554.4	553.2	556.9	560.6	562.2	561.6	562.9
7	562.8	565.5	569.1	572.4	572.5	565.6	550.9	548.	556.2	560.2	559.1	567.	562.4
8	564.5	563.9	566.	566.7	571.	563.6	552.9	550.9	555.3	560.1	560.5	562.	561.4
9	*561.1	563.5	565.5	568.1	573.	566.3	554.	552.8	558.	560 7	562.3	561.3	562.2
10	563.1	564.6	565.3	568.6	573.	566.	558.8	556.4	559.8	561.9	565.1	563.	563.8
11	565.8	565.2	567.6	571.1	570.3	560.2	551.8	555.3	561.2	561.1	563.	562.	562.9
13	563.1	570.	568.	567.7	574.1	562.3	554.4	561.5	562.8	563 9	562.2	564.9	564.6
14	568.7	574.	560.4	569.8	568.8	563.4	549.2	554.6	561.8	564.4	563.5	564.8	563.6
15	563.	562.	†563.6	569.8	569.4	562.1	555.5	557.3	564.	563.5	565.	563.7	563.2
16	562.	561.6	567 3	569.6	571.9	562.5	554.	556.8	562.1	564.4	571.3	590.	566.1
17	567.4	564.3	567.	569.2	571.1	561.1	549.9	554.	559.2	572.5	565.8	569.4	564.2
18	565.2	566.2	562.1	576.7	579.	563.8	550.1	550.4	556.4	562.	584.4	568.2	565.4
20	.....	562.5	565.4	574.2	581.4	567.8	556.2	553.9	558.6	564.8	571.6	559.5	565.1
21	566.9	564.1	567.1	572.	571.8	563.4	553.7	558.	561.6	567.5	566.	563.2	564.6
22	564.8	566.	568.2	569.	565.7	558.5	557.	558.5	570.	562.4	564.1	566.2	564.2
23	569.6	569.	566.8	569.	570.	565.2	561.4	557.9	558.8	560.6	562.	564.	564.5
24	565.	566.8	567.3	571.7	570.6	569.1	562.1	549.1	543.	546.	553.2	584.6	562.4
25	572.9	589.	596.4	563.6	536.7	528.3	561.2	524.6	554.7	549.5	593.6	530.1	558.4
27	592.9	586.9	577.2	609.3	591.	603.8	595.	610 5	606.3	605.8	598.6	586.8	597.
28	585.	580.2	581.1	556.5	574.7	569.	567.7	571.3	581.1	582.1	589.9	592.7	577.6
29	592.9	594.6	.....	.....	572.2	551.	549.7	551.5	560.	562.	562.3	579.	567.5
30	570.2	561.7	590.1	567.9	574.1	564.2	550.7	551.	561.3	575.	582.8	562.2	567.8
Means	568.5	567.5	569.5	571.3	571.6	563.4	556.1	555.8	561.9	565.	568.8	567.	565.49

* One minute late. † One minute late.

Göttingen time.. Observatory time.	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.	Reduced to 32° F.
Sept. 1.....	820.1	831.3	790.4	755.9	744.6	748.	754.	771.	788.7	810.	818.1	808.	786.7	187.3
2.....	787.8	785.4	766.4	750.	740.5	.....	767.4	793.7	815.8	845.3	859.4	847.8	796.3	182.1
3.....	839.2	822.8	805.1	780.2	775.7	781.6	808.6	837.	856.	874.4	875.1	870.	827.1	187.2
4.....	863.1	848.3	840.8	832.	824.	827.	847.	860.3	874.1	879.7	875.9	860.4	852.7	195.3
6.....	786.	761.4	746.7	726.9	713.1	721.6	746.2	.....	823.	821.2	817.	805.4	769.9	181.3
7.....	791.3	773.1	760.4	743.4	737.	740.3	744.1	747.4	761.2	754.6	736.4	721.	750.8	178.4
8.....	711.	699.7	692.	684.	678.	686.2	700.6	717.5	.....	.....	774.2	762.6	710.6	170.6
9.....	742.	717.6	702.3	688.7	681.3	688.1	713.5	736.8	764.8	785.4	793.4	784.7	733.2	183 8
10.....	759.4	735.8	721.8	711.9	705.	708.7	727.4	738.2	759.	777.5	775.9	766.5	740.6	185.8
11.....	756.2	741.3	721.1	706.	696.2	696.1	700.7	716.6	737.6	759.1	767.	763.	730.1	187.4
13.....	767.6	743.7	730.3	738.2	728.8	717.1	717.1	713.9	714.6	718.7	719.7	714.5	727.	187.
14.....	718.	732.6	718.1	685.8	663.	655.7	656.4	677.5	659.2	717.5	708.9	682.8	689.6	178.
15.....	663.2	648.2	*614.5	595.5	590.2	600.6	631.7	663.6	703.4	714.5	711.8	693.9	652.6	161.2
16.....	680.2	667.4	645.9	627.4	610.2	614.8	637.5	654.	666.3	642.3	659.4	639.5	645.4	164.8
17.....	641.1	639.8	619.	613.2	589.5	592.3	596.	595.8	593.2	576.	571.8	561.	599.1	161.7
18.....	547.6	538.	531.3	523.6	522.	539.2	566.2	588.2	632.5	649.6	645.	663.3	578.9	141.5
20.....	.....	648.2	625.2	610.3	600.1	595.4	594.3	606.	614.5	633.7	640.8	636.6	618.6	150.2
21.....	633.4	621.7	612.2	602.	594.	594.4	606.	616.4	639.5	666.3	666.1	647.8	625.	153.9
22.....	622.	619.	622.2	616.4	612.3	614.6	624.	634.8	646.9	636.1	639.4	640.8	627.4	158.3
23.....	638.7	634.8	631.5	628.3	625.1	638.2	650.7	659.	659.4	660.	660.5	672.	646.5	160.5
24.....	673.	670.	676.	678.2	680.	691.4	706.7	711.4	713.	712.6	708.9	743.8	697.1	166.2
25.....	777.7	743.8	792.4	787.7	765.3	738.4	716.6	707.2	730.	688.	705.4	755.1	742.3	186.1
27.....	672.	667.	677.4	639.3	593.8	598.5	622.5	640.7	669 2	685.	684.7	672.2	651.9	179.4
28.....	679.7	663.5	641.1	635.1	637.	644.3	667.1	683.8	717.	730.9	730.4	726.4	679.7	176.2
29.....	727.7	734.	752.	714.9	709.8	712.6	734.5	744.	756.4	766.7	761.6	766.2	740.	189.2
30.....	746.2	717.7	697.7	666.3	643.7	639.3	636.2	624.	616.8	630.9	619.7	596.5	652.9	191.2
Means.....	721.8	707.9	697.5	682.4	671.5	671.4	687.4	697.6	716.5	725.4	727.9	723.1	702.5	
Reduced to 32° F.	191.3	189.5	188.6	184.3	174.7	165.2	158.2	156.3	157.6	166.5	178.5	187.2		174.7

* Three minutes late.

Göttingen time / Observatory time	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means.
Sept. 1	76.7	75.5	75.	74.	74.	74.5	75.7	77.	78.9	79.2	78.7	78.	76.4
2	76.	75.2	74.4	74.	74.	....	77.	79.	80.7	81.7	81.	79.8	77.5
3	78.4	77.8	77.	76.	76.	77.5	80.	81.3	82.6	83.	82.	81.2	79.4
4	80.9	80.	79.7	79.	78.5	79.3	81.2	82.	82.8	82.3	82.	80.2	80.7
6	76.	75.	73.3	72.	72.2	73.5	75.7	....	79.5	79.	78.2	76.7	75.6
7	76.3	75.4	74.8	74.	73.8	74.2	74.2	75.	75.3	74.	73.	72.4	74.4
8	72.	71.3	70.8	70.	70.2	71.2	72.8	74.	....	....	75.	73.2	72.
9	71.9	71.	70.	69.3	69.	70.7	72.9	74.5	75.2	76.9	76.	75.	72.7
10	73.	72.	71.3	71.	70.8	71.7	73.2	74.1	75.8	75.8	75.	74.	73.1
11	73.1	72.	71.	70.	69.2	69.8	71.	73.	74.1	75.	74.8	74.	72.2
13	73.	72.9	72.	72.	71.5	71.	72.	72.	72.	72.	72.	71.6	72.
14	70.8	70.	68.6	67.2	67.	68.	70.	71.2	72.9	72.9	71.3	68.9	69.9
15	68.	66.8	65.	64.	64.1	66.	68.5	70.7	72.7	73.	71.7	69.9	68.4
16	69.	68.	66.7	65.1	65.	66.5	68.	69.1	69.9	68.5	68.	67.7	67.6
17	66.3	66.	65.3	64.	64.	64.	64.5	65.	64.5	64.	62.9	62.	64.4
18	61.	60.5	60.	59.8	60.3	62.1	64.8	67.5	69.1	69.9	69.6	68.8	64.4
20	....	67.2	66.1	65.2	65.	65.1	66.	67.	68.	68.5	68.	67.3	66.7
21	66.8	65.8	65.2	64.9	64.5	65.	66.2	67.5	69.9	70.6	69.2	66.8	66.9
22	66.	66.	66.	65.4	65.2	66.	66.7	67.8	68.	68.	68.	68.	66.8
23	67.4	67.	66.8	66.5	66.8	68.	68.5	69.	69.	69.	69.	69.	68.
24	69.	69.	69.3	69.5	70.	70.8	72.5	73.1	73.8	73.9	73.4	73.1	71.4
25	73.	72.8	72.9	72.5	72.2	73.7	74.2	74.5	74.9	74.3	72.8	71.	73.2
27	67.5	66.4	65.1	63.	63.	64.8	67.	69.	70.4	70.3	69.5	68.4	67.
28	67.4	66.5	66.2	65.5	65.8	67.5	70.	71.	73.8	73.	72.7	72.	69.3
29	71.6	71.2	71.1	71.	70.8	71.8	74.	74.3	75.2	75.	74.1	73.	72.8
30	71.6	70.1	69.	67.	65.2	65.	65.5	65.	65.7	65.2	63.	62.5	66.2
Means	71.3	70.4	69.7	68.9	68.8	69.5	71.2	72.1	73.4	73.4	72.7	71.7	71.1

Degrees Fahrenheit.

Göttingen time.. Observatory time.	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
Sept. 1.....	539.9	568.4	539.1	527.1	562.	595.7	546.1	515.2	525.7	545.2	534.3	530.7	544.1	421.5
2.....	520.1	522.	523.1	504.5	531.3	.....	524.	505.5	549.7	539.3	520.	521.2	523.7	397.1
3.....	504.1	*515.6	518.2	515.4	539.2	553.	541.1	526.1	526.6	536.	523.4	512.	525.9	393.5
4.....	516.4	515.6	520.3	498.8	524.3	556.9	577.1	540.3	521.1	530.	525.3	524.4	529.2	393.7
6.....	508.9	508.2	504.1	498.9	518.8	538.8	533.8	523.1	523.8	523.8	524.3	510.2	518.1	397.1
7.....	513.9	517.9	509.7	513.5	518.9	542.4	531.	530.2	511.9	511.8	473.6	516.3	515.9	399.4
8.....	519.8	509.9	508.7	506.4	520.9	536.7	533.9	516.	516.6	514.2	519.	517.6	518.3	406.6
9.....	511.7	506.	502.2	502.8	531.9	548.5	545.5	518.9	522.3	523.2	520 1	522.1	521.3	408.7
10.....	513.7	511.4	506.8	509.7	530.6	540.5	547.3	520.1	521.5	539.6	524.	529.1	524.5	411.7
11.....	528.2	520.6	512.4	510.3	538.6	546.	519.9	504.	502.6	503.3	499.9	504.8	515.9	404.7
13.....	512.2	521.4	545.9	501.7	560.7	607.5	576.1	542.3	540.2	542.	534.1	530.6	542.9	432.9
14.....	522.9	550.	576.6	524.5	551.7	574.1	573.2	532.6	540.8	543.3	533.1	495.7	543.2	439.6
15.....	526.5	520.7	514.1	509.3	534.4	548.3	530.1	526.8	539.3	548.	509.5	521.	527.3	427.1
16.....	523.9	526.7	512.6	507.7	522.1	550.9	531.5	515.8	531.6	532.1	546.6	535.2	528.1	430.1
17.....	535.	526.	510.6	508.8	524.5	541.	537.1	509.7	510.1	511.3	500.3	493.4	517.3	428.8
18.....	490.3	489.4	497.1	499.	528.6	555.7	534.3	524.9	519.	556.2	548.7	554.1	524.8	434.6
20.....	.....	553.	516.5	516.5	537.6	565.4	562.	537.2	538.6	528.	544.5	530.3	539.1	443.1
21.....	525.4	521.1	515.6	519.2	546.7	554.3	538.	525.1	529.2	529.4	527.6	518.7	529.2	432.9
22.....	512.4	511.9	512.6	512.4	523.	522.5	508.9	526.7	529.9	512.2	511.3	514.4	516 5	420.7
23.....	519.3	516.5	510.	506.8	514.3	528.	523.	513.3	511.	510.9	511.5	509.6	514.5	415.7
24.....	508.	506.	512.6	508.2	513.	516.1	520.1	562.6	558.5	585.	617.3	653.4	546.7	436.7
25.....	582.	614.7	601.	650.3	701.3	774.9	668.2	655.9	665.	706.1	720.7	634.5	664.5	550.5
27.....	581.	570.4	547.1	550.2	576.2	652.8	570.3	570.3	555.2	574.2	555.3	556.2	571.6	475.6
28.....	519.2	538.2	546.3	589.3	541.1	600.3	585.8	591.	564.	568.	570.8	554.7	564.1	461.3
29.....	585.3	567.1	554.1	543.8	563.	628.9	564.	567.9	565.2	559.7	556.1	611.1	572.2	459.4
30.....	598.2	550.4	555.	541.6	555.8	568.9	550.8	525.5	527.7	530.3	500.8	529.6	544.5	452.9
Means.....	528.7	530.	525.9	522.2	542.7	569.9	549.	535.7	536.4	542.4	536.6	535.8	537.9	
Reduced to 32° F.	420.3	424.4	423.1	421.1	440.2	466.3	440.6	424.	421.	427.9	424.	426.3		429.8

* Five minutes late.

Göttingen time / Observatory time	h. m. 6 02½ / 0 22	h. m. 8 02½ / 2 22	h. m. 10 02½ / 4 22	h. m. 12 02½ / 6 22	h. m. 14 02½ / 8 22	h. m. 16 02½ / 10 22	h. m. 18 02½ / 12 22	h. m. 20 02½ / 14 22	h. m. 22 02½ / 16 22	h. m. 0 02½ / 18 22	h. m. 2 02½ / 20 22	h. m. 4 02½ / 22 22	Means.
Sept. 1	76.1	75.	74.	73.	74.	74.	75.2	76.8	78.4	78.9	78.	76.5	75.8
2	75.2	74.	73.5	73.	74.	....	77.	79.	81.1	81.7	80.9	79.8	77.2
3	78.2	77.2	76.	75.6	77.	78.	80.	81.3	82.6	83.	81.9	81.	79.3
4	80.2	79.8	79.2	79.	78.	79.3	81.	82.	82.5	82.	82.	80.	80.4
6	75.1	74.3	72.4	71.8	73.	73.2	74.9	77.	78.	78.	77.8	76.7	75.2
7	76.	74.8	74.	73.	73.	73.5	73.8	74.2	74.2	73.2	72.1	71.4	73.6
8	71.	70.5	70.	69.	71.	71.	72.	73.2	74.	74.6	74.	72.2	71.9
9	71.2	69.7	68.4	68.	70.1	70.5	72.2	74.	75.3	76.1	75.7	75.	72.2
10	72.	71.	70.	70.	70.	71.	72.2	73.4	75.	75.	74.3	73.6	72.3
11	72.3	71.3	70.	69.4	68.6	69.	71.	72.3	73.9	75.	74.2	73.8	71.7
13	72.3	72.1	71.8	71.3	71.	70.5	71.4	71.7	71.2	71.	71.	70.7	71.3
14	70.	69.	67.7	66.3	67.	67.8	69.	70.3	71.6	71.7	70.	67.9	69.
15	67.	65.5	64.	62.8	65.3	66.	67.9	70.2	72.	71.9	71.9	68.9	67.8
16	68.	67.	65.8	64.2	64.	66.	68.	69.2	69.9	68.	67.4	66.9	67.
17	65.8	65.2	64.6	63.3	63.	63.4	64.	64.	63.9	63.	62.	61.	63.6
18	60.6	60.	59.5	59.3	61.2	62.	64.	66.8	69.	69.5	69.1	69.	64.2
20	....	66.3	65.3	64.5	64.	64.3	65.2	66.7	68.6	69.4	67.8	66.8	66.3
21	66.3	65.5	64.6	64.	64.	64.3	65.8	67.7	70.	70.	68.7	66.2	66.4
22	65.6	65.5	65.3	64.8	65.	65.5	66.	67.	67.5	67.5	67.5	67.5	66.2
23	66.8	66.5	66.	65.5	66.2	67.1	68.	68.	....	68.8	68.5	68.5	67.3
24	68.7	68.7	68.8	69.3	70.	70.5	72.	74.	74.	73.4	73.	72.8	71.3
25	72.9	72.6	72.2	72.	72.	73.1	74.	74.	74.7	73.4	71.8	70.	72.7
27	66.7	65.6	64.3	62.	63.	64.	66.	67.7	69.5	69.3	69.5	67.5	66.3
28	66.6	65.7	65.3	64.6	65.2	67.2	70.	71.	72.	72.7	72.1	71.5	68.7
29	71.2	70.8	70.5	70.5	70.	71.2	73.	74.	75.3	74.9	73.8	72.	72.3
30	70.8	69.2	63.5	65.6	64.	63.5	64.	64.	65.	63.8	62.	61.1	64.7
Means	70.7	69.7	68.7	68.1	68.6	69.	70.7	71.9	73.2	72.9	72.2	71.1	70.6

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 52½	h. m. 14 00	h. m. 14 07½	h. m. 13 50	h. m. 13 57½	h. m. 14 05	Temperature Fahrenheit.	h. m. 13 55	h. m. 14 02½	h. m. 14 10	Temperature Fahrenheit.
Observatory time.....	8 12	8 19½	8 27	8 09½	8 17	8 24½		8 14½	8 22	8 29½	
Sept. 1.....	589.	589.	583.4	743.1	744.6	745.5	74.	552.8	562.	546.5	74.
2.....	566.6	565.4	566.	740.	740.5	741.	74.	528.3	531.3	532.6	74.
3.....	567.1	566.2	566.	776.7	775.7	776.	76.	535.3	539.2	540.3	77.
4.....	565.4	565.2	564.9	824.1	824.	823 3	78.5	524.	524.3	525.7	78.
6.....	573.2	573.8	573.3	713.4	713.1	713.1	72.2	516.	518.8	520.9	73.
7.....	572.3	572.5	571.8	737.2	737.	736.9	73.8	521.8	518.9	524.6	73.
8.....	570.8	571.	571.6	677.3	678.	676.5	70.2	519.2	520.9	519.8	71.
9.....	572.5	573.	572.3	681.1	681.3	681.4	69.	528.8	531.9	534.6	70.1
10.....	572.8	573.	572.6	705.	705.	704.8	70.8	529.6	530.6	531.3	70.
11.....	570.6	570.3	569.2	696.9	696.2	696.	69.2	537.2	538.6	541.3	68.6
13.....	573.9	574.1	573.5	729.1	728.8	727.2	71.5	553.9	560.7	562.3	71.
14.....	567.1	568.8	570.6	663.	663.	662.6	67.	551.1	551.7	556.2	67.
15.....	569.5	569.4	569.2	591.2	590.2	590.4	64.1	533.3	534.4	536.	65.3
16.....	572.3	571.9	571.4	610.9	610.2	608.5	65.	521.5	522.1	525 4	64.
17.....	572.	571.1	571.	590.	589.5	589.4	64.	522.3	524.5	526.1	63.
18.....	579.1	579.	579.	521.6	522.	522.8	60.3	524.	528.6	530.	61.2
20.....	580.9	581.4	581.4	599.3	600.1	599.7	65.	534.	537.6	546.8	64.
21.....	575.3	571.8	574.1	594.5	594.	594.6	64.5	542.8	546.7	545.8	64.
22.....	566.5	565.7	565.2	612.1	612.3	612.	65.2	523.6	523.	523.7	65.
23.....	.....	570.	.....	.....	625.1	.....	66.8	.....	514.3	.....	66.2
24.....	570.6	570.6	571.	679.6	680.	680.3	70.	512.9	513.	514.7	70.
25.....	526.8	536.7	543.7	762.3	765.3	765.3	72.2	716.2	701.3	696.7	72.
27.....	590.9	591.	593.	595.	593.8	593.	63.	580.7	576.2	582.	63.
28.....	576.	574.7	574.5	638.2	637.	636.3	65.8	538.7	541.1	547.4	65.2
29.....	.....	572.2	571.1	709.7	709.8	709.5	70.8	560.	563.	565.4	70.
30.....	573.2	574.1	574.9	645.1	643.7	642.7	65.2	555.9	555.8	552.5	64.

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
Oct. 1	561.5	563.2	566.4	565.3	571.7	561.7	553.8	556.	559.1	561.6	561.1	560.4	561.8
2	556.5	566.8	563.2	564.1	569.	559.2	551.7	550.6	558.6	559.6	560.9	569.	560.8
4	563.8	571.5	564.5	567.3	568.5	560.	549.5	549.6	558.4	562.2	562.5	560.7	561.5
5	561.6	562.6	563.2	567.8	570.5	565.6	557.1	553.9	556.6	562.2	572.	561.7	562.9
6	561.4	563.5	574.5	571.4	570.3	560.9	557.4	547.9	553.	560.8	563.8	562.6	562.3
7	563.	563.2	567.	562.9	568.7	563.4	561.	562.	558.8	577.1	561.	564.6	564.4
8	561.9	562.1	563.1	566.2	567.6	564.2	559.	552.1	548.6	567.1	566.2	560.2	561.5
9	563.5	560.	564.3	567.	567.9	562.	554.	556.2	570.5	562.3	565.	566.3	563.2
11	566.8	563.	562.	564.2	568.	563.	554.1	556.	559.9	562.1	569.	560.8	562.4
12	561.	561.9	561.8	556.3	562.2	555.2	542 1	545.9	552.4	553.5	552.9	558.3	555.3
13	570.5	576.	579.7	571.4	578.9	575.3	568.	568.7	580.5	578.2	583.	*576.	575.5
14	576.1	568.7	577.	586.	589.1	584.	579.2	580.1	573.8	574.	570.	581.1	578.3
15	572.5	576.9	568.	568.	572.9	575.9	571.7	579.1	580.4	576.8	574.7	572.2	574.1
16	570.8	569.5	566.7	.....	563.3	561.6	550.2	555.	563.1	580.	566.9	571.8	565.4
18	564.7	564.3	563.3	570.6	570.9	575.	565.1	578.4	578.	575.	572.6	569.7	570.6
19	573.	569.	567.7	572.7	580.	573.6	562.3	573.5	571.	572 7	585.	569.1	572.5
20	567.8	563.5	562.	562.	566.7	.....	.....	563.5	566.3	560.6	564.2	575.	565.1
21	576.5	576.7	558.1	565.6	552.7	564.5	574.5	572.7	573.5	576.1	573.1	569.	569.4
22	570.	566.9	572.2	572.7	579.	576.4	570.6	568.	570.	569.9	567.2	570.7	571.1
23	567.2	566.1	568.5	568.7	573.7	569.7	569.8	570.9	574.3	575.	572.2	575.4	571.
25	593.1	603.	596.	568.4	586.4	597.2	593.	581.8	584.8	592.2	594.2	579.5	589.1
26	574.6	573.4	576.3	560.1	565.7	573.9	581.8	591.4	603.2	585.1	588.1	578.9	571.
27	575.8	572.	569.3	565.5	567.5	569.3	572.4	574.1	583.5	581.8	576.2	586.7	574.5
28	586.9	584.3	580.	578.3	578.7	585.5	575.7	573.9	571.9	572.6	568.6	†567.	576.9
29	570.	570.6	568.2	573.4	577.	568 5	561.5	552.8	565.6	566.	570.	570.1	567.8
30	570.3	570.	571.	571.4	576.2	570.5	565.2	566.	567.	569.1	567.8	568.	569.4
Means	569.3	569.6	569.	568.3	571.7	569.4	564.	564.6	564.8	570.5	570.3	569.4	568.4

* Seven minutes late. † Sixty-six minutes late.

Göttingen time.. Observatory time.	h. m. 5 57½ 0 19	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.	Reduced to 32° F.
Oct. 1.....	587.	574.2	558.3	540.	527.7	534.8	556.3	587.	593.9	609.	606.	591.	572.1	179.3
2.....	576.5	555.	554.4	557.3	493.5	502.2	518.	534.	537.7	532.5	527.5	523.1	534.3	184.7
4.....	392.	403.3	386.2	383 5	385.2	402.9	414.	437.9	*490.9	461.	447.6	439.1	420.3	158.4
5.....	426.2	413.5	400.3	385.	377.4	388.1	406.6	440.5	467.2	482.8	488.3	475.	429.2	137.6
6.....	465.8	451.4	459.4	423.1	410.1	420.5	440.2	457.6	483.1	501.2	504.7	490.5	459.	144.5
7.....	467.9	458.3	450.3	419.	407.5	423.9	443.3	468.8	501.1	507.8	510.7	517.	464.6	143.3
8.....	516.8	511.2	506.4	500.3	493.5	505.7	508.7	503.4	522.7	505.8	515 2	510.3	508.3	137.1
9.....	506.	501.8	497.6	489.	485.	511.1	542.2	560.6	573.7	529.9	516.1	502.5	518.	127.9
11.....	492.3	475.2	453.4	420.6	396.8	407.2	439.1	467.5	501.	508.6	511.9	512.5	465.5	134.8
12.....	511.2	510.9	515.3	517.	518.	525.3	534.1	546.5	551.3	562.	565.	566.6	535.3	137.1
13.....	561.9	549.6	555.2	520.3	507.7	519.7	538.2	535.8	542.5	538 3	526.9	†512.9	534.1	150.7
14.....	502.1	487.5	461.6	426.5	411.3	418.6	440.6	456.	480.4	489.4	479.1	463.2	459.7	147.9
15.....	451.5	447.6	430.8	404.4	400.8	410 9	437.2	461.6	502.8	506.8	503.7	503.5	455.1	146.
16.....	506.1	505.9	492.6	.....	490.6	489.7	486.5	486.5	484.8	479.	470.3	462.3	486.8	152.
18.....	402 1	385.1	364.3	342.8	324.3	349.2	382.3	402.3	418.6	429.5	422.6	406.3	385.8	138.8
19.....	392.7	370.	349.2	332.5	321.7	327.	347.7	358.	367.	375.8	383.	380.1	358.7	136.
20.....	382.3	384.2	377.8	374.1	378.2	.....	.....	468.2	.....	468.9	464 3	466.	418.2	138.8
21.....	459.5	446.	432.3	431.1	427.5	449.4	469.8	473 2	492.	484.7	473.5	461.	458.3	147.8
22.....	447.8	431.8	418.3	406.5	402.8	422.6	444.3	444.2	455.	446.2	436.3	430.8	432.2	148.7
23.....	415.2	401.	385.	373.5	362.1	377.	397.8	411.7	429.6	427.4	423.4	418.7	401.9	141.
25.....	364.1	392.2	361.	331.8	318.9	299.7	304.3	299.7	305.7	306.5	305.7	290.8	323.4	137.1
26.....	299.2	292.9	275.6	249.	229.	236.7	271.9	299.5	328.3	350.5	362.5	359.5	296.2	126.1
27.....	358.4	358.2	349.8	342.5	327.	334.4	363.9	390.3	420.	438.9	440.1	445.	380.7	139.1
28.....	457.3	403.9	380.	360.1	350.8	351.5	364.	379.3	397.2	406.2	403.4	‡398.2	387.7	146.1
29.....	397.5	397.3	397.4	398.3	400.	421.5	461.4	494.2	519.8	529.4	525.7	519.5	455.2	140.7
30.....	516.1	509.5	501.8	498.9	496.8	500 4	508.3	518.7	539.8	555.2	562.8	561.6	522.5	151.3
Means.....	456.	446.8	435.2	417.1	409.4	421.2	440.8	457.	476.2	478.2	476.	469.5	448.75	
Reduced to 32° F.	156.3	157.9	155.8	152.5	142.1	135.	131.7	129.	133.3	143.4	149.3	152.3		145.

* Window open, sun on needle. † Seven minutes late. ‡ Sixty-seven minutes late.

Göttingen time / Observatory time	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means.
Oct. 1	61.6	60.4	59.2	58.	57.8	59.	61.2	63.5	64.	64.	62.9	61.8	61.1
2	59.8	58.5	57.1	56.	55.2	56.8	59.	59.7	58.9	58.3	58.1	57.3	57.9
4	48.	47.8	47.8	47.5	48.	49.5	50.5	53.	*62.3	54.8	54.3	53.5	51.4
5	52.8	51.8	50.9	50.2	50.	51.	53.	56.	57.	57.5	57.3	56.	53.6
6	55.3	54.	53.	52.1	52.	53.4	55.	57.	58.6	59.1	58.	56.	55.3
7	55.3	54.1	53.9	51.7	51.8	53.3	55.2	57.3	59.4	59.5	59.1	59.2	55.8
8	59.4	59.8	58.1	57.8	58.	58.8	59.7	60.	61.1	61.	60.	59.9	59.5
9	59.2	58.9	58.5	58.	58.1	60.2	62.8	64.	64.9	63.9	61.3	60.7	60.9
11	56.6	55.2	54.1	52.5	52.	54.	56.2	58.2	59.7	60.	59.9	59.5	56.5
12	59.8	59.9	60.2	60.	60.	61.	61.9	62.3	63.2	63.2	63.2	63.	61.5
13	62.2	61.5	60.2	59.6	59.2	60.5	61.6	61.	61.3	60.1	59.2	58.	60.4
14	57.1	55.8	54.5	52.5	52.2	53.1	55.	56.	57.2	57.2	56.	55.	55.1
15	54.	53.2	52.3	51.1	51.	53.	55.	57.	58.3	58.5	58.1	57.9	54.9
16	57.8	57.8	57.7	....	57.	56.9	57.	57.7	57.	56.	55.3	54.7	56.8
18	50.5	49.2	48.5	47.	46 5	49.	51.1	52.2	53.8	53.3	52.	50.8	50.3
19	49.7	47.9	47.2	46.2	45.9	47.	48.	49.2	50.	50.	50.3	50.2	48.5
20	50.	49.8	50.	50.1	50.3	....	....	56.7	....	56.	56.	55.	52.7
21	54.2	53.	53.	53.2	53.5	55.3	56.7	57.9	57.2	56.1	55.6	54.5	55.
22	53.4	52.4	51.6	51.	51.5	53.2	54.2	55.6	54.8	53.8	52.9	52.2	53.
23	51.1	50.3	50.	49.	48.8	50.5	52.	53.9	53.8	53.	52.4	52.3	51.4
25	48.	47.2	46.2	44.5	44.8	45.1	46.	47.7	46.2	45.3	44.9	44.	45.8
26	43.2	42.5	41.3	40.	40.2	42.	45.	46.6	48.5	49.	48 9	48.5	44.6
27	48.	48.	47.3	46.4	46.	47.3	50.2	51.9	54.	54.	53.8	52.2	49.9
28	51.2	50.	49.	48.	47.3	47.9	49.1	50.9	51.8	51.9	50.8	50.9	49.9
29	51.	51.	51.	51.	51.3	53.5	56.9	58.8	60.4	60.	59.6	58.7	55.3
30	58.9	58.	57.7	57.5	57.3	58.	59.	60.2	61.9	62.	62.5	61.5	59.5
Means	54.2	53.4	52.7	51.6	51.8	53.2	54.9	56.3	57.4	56.8	56.2	55.5	54.5

Degrees Fahrenheit.

* Sun on needle—window open.

Göttingen time.. Observatory time	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
Oct. 1.....	518.4	513.5	504.2	500.1	518.3	529.3	523.	518.9	524.8	523.2	524.1	519.4	518.1	439.4
2.....	506.8	508.1	495.5	503.2	503.	511.3	509.2	513.9	506.9	507.6	499.3	496.5	505.1	434.8
4.....	492.3	469.7	482.1	484.5	487.8	492.6	500.9	485.8	477.2	477.5	479.3	479.9	484.1	434.
5.....	483.3	477.1	471.3	469.3	484.3	496.5	494.6	492.4	477.1	477.2	517.5	491.9	486.	428.
6.....	495.7	480.8	457.4	487.3	496.5	514.9	514.	554.3	533.	533.8	524.2	506.5	508.2	444.6
7.....	498.6	493.1	487.2	494.3	491.8	500.8	500.8	495.	500.9	516.8	529.6	527.3	503.	438.
8.....	515.5	512.3	507.6	494.7	496.1	529.	568.7	574.	572.2	586.2	537.7	543.4	536.4	460.2
9.....	542.8	536.5	528.6	514.3	534.5	548.4	555.3	531.5	580.3	587.	583.3	552.7	549.6	470.4
11.....	543.5	535.2	526.3	495.8	515.3	527.6	524.6	516.1	524.	526.5	516.6	523.	522.9	456.5
12.....	522.	523.	518.1	526.1	542.2	570.	564.	542.3	532.3	527.5	529.6	527.7	535.4	453.6
13.....	512.	518.9	516.5	518.6	539.4	553.6	549.3	529.4	547.7	522.	538.8	520.1	530.5	453.5
14.....	508.8	478.	498.3	491.6	511.6	527.5	505.8	502.2	500.9	514.2	507.7	525.2	506.	445.2
15.....	517.6	507.1	494.9	491.	514.3	512.9	525.6	512.3	510.9	515.4	535.2	526.1	513.6	451.2
16.....	521.4	512.	512.5	.....	520.5	534.8	557.6	530.	517.7	507.2	518.	506.	521.6	453.3
18.....	486.8	468.4	485.9	490.	500.6	506.5	556.	509.2	506.2	495.	495.	491.9	499.3	451.7
19.....	479.5	491.1	480.8	476.5	487.2	504.	529.1	499.2	498.	492.4	507.3	503.	495.7	452.3
20.....	498.7	497.9	493.5	498.9	499.6	.....	.....	527.	.....	533.4	533.2	520.8	511.4	455.4
21.....	558.7	517.2	523.2	504.2	568.1	538.7	522.1	540.7	525.7	522.5	524.5	515.5	530.1	467.9
22.....	504.3	505.4	496.8	491.5	512.8	526.	534.2	514.7	501.7	497.7	511.6	527.1	510.3	454.3
23.....	509.9	498.	493.2	489.	508.3	524.6	515.6	510.9	501.9	508.7	500.2	494.	504.5	452.7
25.....	552.8	511.	486.4	501.2	555.7	512.5	535.2	556.8	548.7	530.4	524.2	521.6	528.1	493.4
26.....	500.6	501.	500.	525.2	502.3	512.8	533.6	532.5	512.5	520.6	517.1	519.2	514.8	482.
27.....	509.6	508.1	516.	497.8	515.	532.2	538.	524.	521.4	537.8	534.1	566.3	525.	476.8
28.....	555.3	533.5	514.8	513.2	509.4	506.4	515.3	512.2	507.5	497.5	491.	*499.8	513.	465.1
29.....	501.3	499.2	500.2	501.2	511.7	525.1	547.6	550.9	520.2	520.9	521.3	525.8	518.8	455.2
30.....	523.3	519.6	517.9	523.1	543.8	562.	555.7	542.6	527.5	522.6	526.4	528.2	532.7	456.3
Means.....	513.8	504.4	500.4	499.3	514.2	524.	531.	523.8	519.1	519.3	520.3	517.6	515.6	
Reduced to 32° F.	453.6	446.7	445.2	446.9	460.2	467.2	470.	458.3	451.1	451.9	454.2	453.8		454.8

* Sixty-seven minutes late.

Göttingen time / Observatory time	h. m. 6 02½ / 0 22	h. m. 8 02½ / 2 22	h. m. 10 02½ / 4 22	h. m. 12 02½ / 6 22	h. m. 14 02½ / 8 22	h. m. 16 02½ / 10 22	h. m. 18 02½ / 12 22	h. m. 20 02½ / 14 22	h. m. 22 02½ / 16 22	h. m. 0 02½ / 18 22	h. m. 2 02½ / 20 22	h. m. 4 02½ / 22 22	Means.
Oct. 1	60.6	59.5	58.4	57.4	56.9	58.	60.	62.	63.	62.9	61.8	60.6	60.1
2	69.2	57.7	55.7	54.5	54.8	56.	....	59.	58.2	57.9	57.6	57.	57.1
4	46.8	46.7	46.6	46.6	48.	48.8	50.	51.8	53.2	53.4	53.8	52.8	49.9
5	52.	51.1	50.1	49.4	49.	50.	52.	54.1	56.	56.9	56.8	55.1	52.7
6	54.6	53.	52.	50.6	52.	52.5	55.	56.7	58.	58.6	57.3	56.	54.7
7	54.2	53.	51.8	50.9	51.9	53.	55.	57.	59.	59.	58.9	59.	55.2
8	59.2	58.5	57.8	57.4	57.6	58.5	60.	60.	60.8	60.8	60.	59.5	59.2
9	59.	58.4	57.8	57.4	58.8	60.	61.8	63.	64.	63.	60.8	59.9	60.3
11	55.8	54.3	52.6	51.	51.	52.8	55.2	58.	59.	59.3	59.8	59.3	55.7
12	59.4	59.4	59.8	59.6	60.	60.8	61.7	62.2	63.	62.8	63.	62.9	61.2
13	61.7	60.9	59.6	59.1	59.	59.2	60.	60.2	60.	59.	58.	57.	59.5
14	56.4	54.2	52.5	50.5	51.	51.2	53.5	54.8	56.	55.9	55.	53.9	53.7
15	53.2	52.3	51.4	50.	51.	52.	54.4	56.2	58.	57.9	57.9	57.8	54.3
16	57.8	57.7	57.5	....	56.6	56.5	57.	57.	56.	55.2	55.	53.7	56.4
18	49.3	48.	47.	45.7	46.2	47.3	49.	51.	52.	51.9	51.	49.8	49.
19	48.9	46.8	46.	44.9	44.5	45.3	47.	48.7	49.1	49.8	49.9	49.6	47.5
20	49.4	49.3	49.4	49.4	49.7	....	....	56.2	....	55.8	55.	54.2	52.
21	53.5	52.4	52.	52.4	53.	54.3	55.8	56.2	56.3	55.5	54.9	53.6	54.2
22	52.7	51.7	50.7	50.	51.	52.	53.	54.	53.2	52.7	52.	51.	52.
23	50.5	49.5	48.9	47.9	48.	49.6	51.	52.2	53.	52.2	51.7	51.7	50.5
25	47.2	46.3	45.4	43.7	43.9	43.5	44.	44.3	44.2	44.	43.3	42.6	44.4
26	42.	41.	40.	39.	40.	41.	43.6	46.	48.	48.	47.9	47.8	43.7
27	47.7	47.5	46.5	45.5	45.2	46.2	48.6	51.	53.7	53.9	53.	51.9	49.2
28	50.8	49.2	48.	47.1	46.8	47.	48.2	50.	51.	50.9	49.7	50.	49.1
29	50.2	50.5	50.4	50.4	51.	53.	56.	58.1	60.2	59.9	59.	58.3	54.7
30	58.3	57.9	57.5	57.2	57.	57.8	59.	60.3	61.7	61.5	62.	61.	59.3
Means	53.5	52.6	51.7	50.7	51.3	52.3	53.8	55.4	56.3	56.1	55.6	54.8	53.7

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 52½	h. m. 14 00	h. m. 14 07½	h. m. 13 50	h. m. 13 57½	h. m. 14 05	Temperature Fahrenheit.	h. m. 13 55	h. m. 14 02½	h. m. 14 10	Temperature Fahrenheit.
Observatory time	8 12	8 19½	8 27	8 09½	8 17	8 24½		8 14½	8 22	8 29½	
Oct. 1.....	572.1	571.7	571.7	527.3	527.7	527.1	57.8	514.9	518.3	518.9	56.9
3.....	569.	569.	568.9	494.4	493.5	493.3	55.2	502.4	503.	503.5	54.8
4.....	569.8	568.5	568.	384.3	385.2	385.6	48.	484.2	487.8	489.	48.
5.....	570.9	570.5	569.8	378.1	377.4	376.8	50.	483.2	484.3	485.5	49.
6.....	571.5	570.3	568.5	410.7	410.1	410.4	52.	493.	496.5	493.6	52.
7.....	565.	568.7	568.4	407.6	407.5	407.2	51.8	495.2	491.8	491.5	51.9
8.....	568.1	567.6	567.4	497.1	493.5	496.8	58.	498.8	496.1	498.4	57.6
9.....	567.3	567.9	568.	484.9	485.	485.3	58.1	530.4	534.5	538.7	58.8
11.....	568.3	568.	567.7	397.8	396.8	395.7	52.	515.2	515.3	518.	51.
12.....	561.7	562.2	561.5	518.	518.	518.	60.	540.	542.2	544.2	60.
13.....	578.8	578.9	508.7	508.	507.7	507.6	59.2	537.5	539.4	538.6	59.
14.....	589.1	589.1	590.1	412.4	411.3	411.	52.2	512.1	511.6	513.4	51.
15.....	571.9	572.9	573.	400.6	400.8	400.	51.	513.7	514.3	514.1	51.
16.....	563.6	563.3	564.	490.9	490.6	490.7	57.	518.2	520.5	520.1	56.6
18.....	579.5	570.9	580.7	325.7	324.3	324.	46.5	497.3	500.6	499.8	46.2
19.....	580.	580.	576.2	323.2	321.7	322.5	45.9	485.	487.2	488.1	44.5
20.....	565.7	566.7	568.7	378.	378.2	378.5	50.3	497.8	499.6	499.5	49.7
21.....	.....	552.7	.....	.....	427.5	.....	53.5	.....	568.1	.....	53.
22.....	576.5	579.	581.6	402.9	402.8	402.7	51.5	513.	512.8	512.9	51.
23.....	573.	573.7	574.8	362.6	362.1	362.	48.8	506.2	508.3	510.5	48.
25.....	580.7	586.4	582.2	317.6	318.9	313.8	44.8	570.6	555.7	516.5	43.9
26.....	567.	565.7	565.1	230.4	229.	227.4	40.2	495.6	502.3	509.6	40.
27.....	568.9	567.5	566.5	327.6	327.	326.4	46.	515.2	515.	518.1	45.2
28.....	578.1	578.7	580.3	351.5	350.8	351.2	47.3	514.3	509.4	.....	46.8
29.....	577.2	577.	577.	397.7	400.	402.5	51.3	511.	511.7	513.2	51.
30.....	576.2	576.2	576.2	496.7	496.8	496.7	57.3	542.	543.8	545.3	57.

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
Nov. 1	569.1	568.9	569.1	569.6	572.	568.1	562.4	563.	558.2	560.	565.8	563.9	565.8
2	563.8	563.8	565.	565.	568.5	562.	552.	548.4	554.5	557.	571.2	561.8	561.
3	561.1	562.1	564.7	563.4	568.	563.	551.8	551.5	557.	557.6	559.	560.1	559.9
4	569.5	571.8	578.6	557.8	565.	553.6	554.	554.8	559.9	564.2	564.2	265.	563.2
5	561.9	561.1	548.5	560.4	562.3	557.2	555.	552.2	557.	565.1	570.5	564.	559.6
6	561.7	568.	563.4	541.1	552.6	565.9	554.4	549.2	555.6	565.2	571.7	570.8	560.
8	563.	559.6	562.8	552.3	569.8	561.9	552.9	553.5	560.	561.7	564.5	563.3	560.4
9	562.9	562.2	562.8	564.5	570.2	564.2	551.4	548.5	550.9	558.	563.2	563.7	560.2
10	559.8	561.9	562.4	559.8	568.9	555.1	550.3	551.8	553.1	553.1	558.9	557.5	557.7
11	554.1	558.7	560.2	561.9	556.6	552.5	538.1	543.3	548.8	551.2	553.3	552.1	552.6
12	551.1	549.3	557.3	553.9	561.3	554.3	549.3	546.5	548.	556.9	553.	554.8	553.
13	554.5	552.6	555.1	555.5	556.9	554.1	546.2	546.6	547.7	550.2	552.9	558.1	552.5
15	551.9	549.	552.	554.7	555.2	549.1	544.	548.4	549.8	549.8	557.8	552.8	551.2
16	552.8	553.	557.	555.8	563.7	559.5	551.8	555.7	554.	552.5	556.1	557.5	555.8
17	554.8	554.5	557.	553.6	563.	561.3	552.	549.	547.7	553.1	563.	553.	555.2
18	553.1	556.	557.3	559.	560.7	554.8	545.4	535.8	541.	549.8	529.7	512.5	546.3
19	572.2	578.9	567.2	588.6	558.7	550.8	547.8	551.3	555.1	558.4	577.6	560.	563.9
20	531.2	560.1	538.3	541.8	546.2	543.2	541.8	551.6	555.2	573.2	555.2	563.5	550.1
22	552.	553.2	553.9	555.	557.7	542.9	541.	543.9	552.5	553.	551.	550.	550.5
23	556.6	554.9	553.5	551.7	547.3	549.	542.8	542.9	548.	552.5	553.6	555.4	550.7
24	556.1	548.9	546.4	548.	547.8	543.4	537.1	537.7	546.5	550.5	561.8	554.4	548.2
25	548.4	550.	554.3	553.8	560.2	562.3	557.5	554.	556.8	561.6	557.3	551.3	555.6
26	558.3	550.1	556.8	556.6	563.	554.1	558.3	554.	558.5	558.1	557.2	556.4	556.8
27	547.5	543.1	545.6	547.3	549.1	539.1	531.4	531.5	542.	553.	554.2	554.6	544.9
29	558.2	557.9	588.2	560.	560.	558.7	552.5	562.6	566.6	567.8	567.5	566.9	563.9
30	566.4	*564.5	567.6	569.3	569.8	564.4	558.4	559.3	562.	566.1	567.	565.6	565.
Means	557.4	558.2	559.4	557.7	560.6	555.6	549.2	549.5	553.3	557.7	559.9	557.3	556.3

* Three minutes late.

Göttingen time.. Observatory time	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.	Reduced to 32° F.
Nov. 1.....	524.6	521.7	514.7	513.8	511.	525.1	560.4	587.9	625.7	626.	616.5	609.	561.4	149.7
2.....	603.1	600.4	587.7	586.2	586.2	585.1	591.3	605.	617.2	617.7	605.5	586.5	597.7	153.6
3.....	563.4	544.3	519.1	480.4	436.2	441.	479.1	502.1	523.6	533.6	527.	514.	505.3	146.2
4.....	515.2	490.7	464.2	473.7	439.2	424.4	419.	409.	391.2	369.5	352.8	342.	424.2	146.1
5.....	331.	338.1	333.7	326.2	319.1	331.	333.9	337.4	333.9	342.4	346.2	347.2	335.	123.1
6.....	356.	357.9	354.8	322.5	309.	311.5	329.9	340.2	354.1	357.2	353.8	338.6	340.5	125.9
8.....	286.4	280..	273.3	280.1	273.5	275.8	291.2	298.9	312.	322.7	331.9	338.6	297.	117.5
9.....	342.8	339.7	331.7	318.2	306.7	319.1	353.5	372.9	385.4	388.1	384.3	371.	351.1	125.7
10.....	363.2	353.7	343.4	326.7	304.6	298.	306.7	306.3	311.7	314.5	312.8	310.3	321.	128.
11.....	308.1	308.2	302.3	296.4	291.6	294.2	310.3	328.6	337.9	340.1	341.7	343.	316.9	122.5
12.....	342.9	352.3	349.9	496.8	347.4	355.6	364.3	379.2	395.7	404.8	407.	402.	383.2	138.9
13.....	393.	380.9	370.6	354.4	336.7	341.1	358.9	360.4	372.8	370.8	363.	353.3	363.	134.9
15.....	361.6	349.7	329.	312.6	297.9	306.	312.2	316.3	322.3	313.8	298.7	293.4	317.8	134.2
16.....	271.2	257.6	246.3	233.	225.	234.8	253.7	266.5	280.8	284.5	282.8	273.6	259.1	121.4
17.....	264.	256.7	250.5	242.6	232.1	240.6	245.6	257.8	283.6	291.1	293.2	293.	262.6	118.2
18.....	298.2	302.7	304.6	306.2	305.	305.7	305.4	309.6	314.1	281.6	286.6	342.7	305.2	123.
19.....	304.1	341.4	294.4	284.6	252.1	233.3	213.6	207.5	201.4	200.7	207.5	222.	246.9	122.7
20.....	274.5	245.8	261.	276.4	253.5	250.	249.8	253.7	262.5	270.5	274.3	277.2	262.4	118.
22.....	216.	293.2	294.1	292.9	293.5	305.6	312.6	318.	331.1	356.2	381.	402.	316.3	103.
23.....	425.	447.2	453.4	452.1	439.	450.7	475.1	486.5	485.	475.2	461.4	445.1	458.	132.7
24.....	427.1	409.1	396.5	381.	367.9	377.3	397.4	410.7	417.	413.9	407.	397.6	400.2	134.3
25.....	383.	365.5	347.7	333.	319.6	314.3	306.4	296.7	293.7	292.7	294.8	298.6	320.5	126.1
26.....	300.9	303.4	305.8	307.5	307.9	311.2	316.	326.5	334.2	343.1	355.	365.5	323.1	113.8
27.....	374.7	371.1	357.7	341.5	323.8	306.6	305.1	309.1	308.3	275.5	242.1	217.7	311.1	122.1
29.....	129.4	126.5	123.5	118.4	113.4	116.	136.6	146.9	148.5	137.7	127.5	117.2	128.5	94.8
30.....	105.7	*93.6	86.1	77.1	70.1	93.5	132.7	169.5	187.4	180.5	168.5	145.	125.8	97.5
Means.....	348.7	347.4	338.3	335.9	317.8	321.1	333.1	342.4	351.2	350.2	347.	343.7	339.8	
Reduced to 32° F.	128.7	134.1	133.1	137.5	126.1	121.3	117.1	114.3	119.	123.4	127.	130.4		126.5

* Three mintues late.

Göttingen time / Observatory time	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means.
Nov. 1	59.2	59.	59.1	58.8	58.3	60.5	63.8	65.5	67.2	66.9	66.	65.7	62.5
2	65.	64.7	64.3	64.3	64.	64.	65.3	66.3	67.	66.	64.8	62.9	64.9
3	61.2	60.	58.	56.3	53.7	55.5	58.6	60.	61.	61.	59.7	58.2	58.6
4	57.1	56.	55.5	54.2	53.	53.	53.	52.7	51.	49.6	48.2	47.7	52.6
5	47.	47.	46.5	45.8	46.5	47.8	48.	49.	49.5	49.	48.7	48.	47.7
6	48.	47.2	46.3	48.6	45.7	46.2	48.2	49.5	50.2	49.7	47.7	47.3	47.9
8	44.	43.6	43.1	43.4	44.	44.4	45.6	46.	46.9	47.2	48.	48.	45.3
9	48.	47.5	46.6	45.7	45.5	47.	50.	51.2	51.7	51.	50.4	49.3	48.7
10	48.9	48.3	47.5	45.3	44.7	45.	45.8	46.	46.2	46.	46.	46.	46.3
11	45.7	45.4	45.	44.6	44.2	44.9	46.9	48.3	48.	48.	48.	48.	46.4
12	47.9	48.3	48.2	48.2	48.8	49.	50.	52.	52.4	52.6	52.	51.3	50.1
13	50.9	50.	49.	47.7	47.1	48.	48.5	49.1	50.3	49.3	48.8	47.9	48.9
15	48.7	47.2	46.	45.	44.7	45.1	46.	46.	46.3	45.2	44.2	43.2	45.6
16	42.5	41.9	41.1	40.3	40.	41.	42.6	43.7	44.2	43.9	43.2	42.6	42.2
17	42.2	41.8	41.	40.5	40.8	41.	41.9	43.7	44.8	44.9	44.8	44.8	42.7
18	45.	45.2	45.	45.	45.	45.	45.2	46.	46.8	46.	45.8	45.7	45.5
19	45.	44.7	44.	42.4	40.	39.8	39.2	39.1	39.2	39.8	40.3	40.9	41.2
20	41.1	41.4	41.6	41.9	42.	42.2	42.9	43.2	43.9	43.9	44.1	44.2	42.7
22	45.2	45.1	45.	45.	45.6	46.3	47.2	48.	49.	50.9	52.1	54.	47.8
23	55.2	56.	56.	55.4	54.7	56.1	58.	58.3	57.7	56.3	55.	54.	56.1
24	52.8	51.9	51.	49.9	49.9	51.	52.5	53.4	53.3	52.	52.	50.9	51.7
25	50.	48.9	47.6	46.8	45.9	45.9	45.5	45.	45.	45.	45.1	45.8	46.4
26	45.9	46.	46.	45.9	46.	46.5	47.4	48.2	48.7	49.1	50.	50.5	47.5
27	50.9	50.	48.8	47.8	46.	45.8	46.	47.	45.8	43.	41.	39.6	46.
29	34.6	34.3	34.	33.9	33.3	34.	35.7	36.	35.7	34.7	34.	33.4	34.5
30	32.7	31.9	31.5	30.8	30.8	33.	35.3	38.	38.1	37.	36.	34.	34.1
Means	48.3	47.8	47.2	46.7	46.2	46.8	48.	48.9	49.2	48.8	48.3	47.8	47.8

Degrees Fahrenheit.

Göttingen time.. Observatory time.	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
Nov. 1.....	531.1	524.5	520.3	522.1	531.1	536.4	536.7	529.1	528.	539.6	547.	538.9	532.1	447.8
2.....	536.9	536.	536.5	531.7	544.4	550.	543.	534.3	527.3	533.	530.9	534.9	536.6	447.
3.....	528.7	527.8	518.1	503.5	511.	527.8	525.9	514.2	503.4	507.6	499.3	495.7	513.6	442.5
4.....	477.5	531.4	510.2	497.1	547.3	559.8	543.4	541.9	514.8	495.3	517.7	519.3	521.3	467.
5.....	511.5	514.	533.4	470.3	501.5	555.2	525.8	549.8	567.6	522.9	508.1	525.4	523.8	483.2
6.....	502.8	530.1	500.6	528.8	502.7	523.6	529.6	536.	514.2	538.9	533.4	512.8	521.1	480.2
8.....	502.7	494.7	482.9	489.5	499.1	530.	518.1	503.7	493.4	505.2	522.3	507.3	504.1	468.
9.....	512.5	496.8	507.8	487.	498.4	511.7	522.	518.9	504.3	504.	503.1	501.	505.6	461.6
10.....	495.4	494.2	488.7	493.	492.	495.4	505.9	488.	489.	477.	486.4	493.6	491.5	453.1
11.....	489.6	489.3	482.5	476.7	489.6	491.1	549.1	499.8	507.3	488.2	498.	489.3	495.9	457.3
12.....	498.	492.3	492.9	483.8	497.1	527.3	512.2	514.	511.3	504.8	497.	497.6	502.4	452.8
13.....	504.8	497.8	493.3	481.3	495.1	502.4	506.8	493.2	492.7	486.5	486.	478.4	493.2	448.4
15.....	494.4	489.2	486.8	475.9	487.4	489.2	487.6	476.2	478.3	478.6	491.	469.	483.6	447.8
16.....	475.3	469.9	462.5	462.3	469.7	475.5	565.5	454.6	460.7	462.2	465.1	471.6	474.6	449.1
17.....	470.8	461.4	458.	465.	462.	472.4	476.9	461.4	464.7	461.4	461.4	464.1	465.	436.4
18.....	478.1	479.8	478.6	482.8	486.	486.6	478.	489.8	525.3	584.9	635.3	640.2	520.4	483.2
19.....	614.2	612.4	556.5	518.9	514.5	523.3	510.	510.3	507.8	538.2	550.2	535.4	541.	516.6
20.....	535.	525.	496.7	490.1	546.3	515.	517.7	512.9	508.7	523.6	501.1	520.7	516.1	486.4
22.....	500.5	498.8	491.2	485.7	487.7	518.1	536.7	514.6	515.9	512.5	516.6	531.3	509.1	465.1
23.....	552.1	556.6	524.3	517.	521.4	540.	549.2	525.1	528.	516.8	519.3	517.9	530.6	464 5
24.....	517.4	505.4	518.5	498.1	519.5	505.6	510.2	508.7	509.	510.2	488.3	506.1	508.1	456.
25.....	491.7	501.8	492.4	488.8	482.9	498.4	505.6	493.1	480.1	485.4	486.5	489.6	491.4	453.3
26.....	491.1	487.6	482.1	475.6	480.2	498.	500.5	496.4	491.3	489.8	495.9	494.1	490.2	447.6
27.....	498.8	496.7	493.8	487.	490.6	490 3	491.2	473.1	477.	470.1	471.7	466.7	483.9	449.5
29.....	467.9	468.5	463.8	460.6	456.7	465.1	467.	465.7	464.5	458.1	459.1	460.6	463.1	458.6
30.....	463.3	*456.5	456.2	456.3	461.6	468.1	469.7	462.	465.6	466.	470.2	466.2	463 5	461.3
Means.....	505.5	505.3	497.3	489.6	499.1	509.9	514.8	502.6	501.2	502.3	505 4	504.9	503.1	
Reduced to 32° F.	461.5	462.7	456.4	450.7	461.6	470.7	472.5	457.	455.6	457.5	461.7	462.9		460.8

* Three minutes late.

Göttingen time / Observatory time	h. m. 6 02½ / 0 22	h. m. 8 02½ / 2 22	h. m. 10 02½ / 4 22	h. m. 12 02½ / 6 22	h. m. 14 02½ / 8 22	h. m. 16 02½ / 10 22	h. m. 18 02½ / 12 22	h. m. 20 02½ / 14 22	h. m. 22 02½ / 16 22	h. m. 0 02½ / 18 22	h. m. 2 02½ / 20 22	h. m. 4 02½ / 22 22	Means.
Nov. 1	59.	58.9	58.7	58.4	58.1	60.2	63.	65.2	67.	66.8	65.6	64.9	62.1
2	64.4	64.	63.5	63.5	63.3	63.3	64.2	65.6	66.	65.	63.3	61.8	64.
3	60.5	58.9	56.8	54.8	52.2	53.7	56.6	59.	60.	60.	58.8	57.6	57.4
4	56.4	55.4	54.8	53.4	52.2	52.	52.	51.2	49.4	47.7	46.8	46.	51.4
5	45.9	45.6	45.	44.8	45.3	46.4	47.	47.8	48.1	48.	47.6	47.	46.5
6	47.1	46.5	45.6	44.7	45.	45.2	46.8	48.2	49.	48.2	47.4	46.	46.6
8	42.9	42.7	42.7	42.8	43.	43.9	45.3	46.	46.3	47.2	48.	47.9	44.9
9	47.9	47.3	46.5	45.3	45.2	46.	48.2	50.	50.	50.	49.2	47.	47.7
10	48.	47.5	46.8	44.8	43.7	44.8	45.2	45.8	46.	45.8	45.4	45.2	45.7
11	45.3	45.1	44.7	44.3	44.	44.2	46.	47.	47.	47.3	47.2	47.2	45.8
12	47.7	48.	47.8	47.9	48.3	49.	49.6	51.2	52.3	52.	51.8	51.	49.7
13	50.1	49.2	48.1	46.7	46.5	47.	48.	48.8	49.	48.2	47.6	46.8	48.
15	47.9	46.5	45.4	44.2	44.	44.4	45.	45.2	45.2	44.3	43.3	42.3	44.8
16	42.	41.	40.2	39.3	39.	39.8	41.	....	43.	42.8	42.5	42.	41.1
17	41.7	41.2	40.6	40.	40.2	41.	41.9	43.	44.1	44.2	44.2	44.6	42.2
18	45.	45.2	45.	44.8	45.	44.7	45.	46.	46.	46.	45.7	45.1	45.3
19	44.8	44.	43.4	41.5	39.2	39.	39.	39.	39.	39.	40.	40.6	40.7
20	41.2	41.2	41.5	41.7	42.	42.	42.8	43.	44.	43.8	44.	44.2	42.6
22	44.9	44.8	44.8	45.	45.7	46.3	47.	48.	48.9	50.8	52.	53.9	47.7
23	55.6	56.3	56.	55.4	54.5	55.1	57.	57.5	56.9	55.6	54.3	53.2	55.6
24	52.	51.	50.	48.8	....	49.	50.2	52.	52.	51.	50.4	49.9	50.6
25	48.9	47.9	....	45.8	45.4	45.	45.	44.6	44.6	44.6	44.7	45.	45.6
26	45.4	45.4	45.7	45.7	46.	46.	47.	48.	48.2	49.	49.8	50.	47.2
27	50.4	49.1	47.7	46.7	44.8	44.	44.1	44.	43.	40.9	39.	37.9	44.3
29	33.8	33.4	33.8	32.9	32.5	33.	34.8	35.3	34.8	33.8	33.	32.2	33.6
30	31.8	30.9	30.6	29.7	29.7	31.8	33.2	35.1	36.	35.9	35.	33.9	32.8
Means	47.7	47.2	46.6	45.9	45.4	46.	47.1	48.3	48.3	48.	47.6	47.	47.1

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time..... Observatory time.....	h. m. 13 52½ 8 12	h. m. 14 00 8 19½	h. m. 14 07½ 8 27	h. m. 13 50 8 09½	h. m. 13 57½ 8 17	h. m. 14 05 8 24½	Temperature Fahrenheit.	h. m. 13 55 8 14½	h. m. 14 02½ 8 22	h. m. 14 10 8 29½	Temperature Fahrenheit.
Nov. 1.....	572.2	572.	572.	511.5	511.	511.4	58.3	530.	531.1	532.	58.1
2.....	568.5	568.5	568.3	586.2	586.2	586.4	64.	548.7	544.4	545.8	63.3
3.....	567.6	568.	567.3	438.	436.2	434.3	53.7	509.5	511.	511.3	52.2
4.....	563.	565.	565.	439.4	439.2	438.	53.	551.7	547.3	552.3	52.2
5.....	562.8	562.3	565.	319.3	319.1	320.1	46.5	500.8	501.5	502.	45.3
6.....	556.	552.6	552.7	309.9	309.	308.5	45.7	505.3	502.7	509 3	45.
8.....	568.7	569.8	569.4	273.5	273.5	273.4	44.	496.8	499.1	494 9	43.
9.....	571.	570.2	569.6	307.1	306.7	306.5	45.5	495.3	498.4	501.4	45.2
10.....	568.2	568.9	568.	306.4	304.6	303.5	44.7	489.7	492.	490.7	43.7
11.....	559.4	556.6	556.	291.4	291.6	291.5	44.2	487.9	489.6	493.7	44.
12.....	561.4	561.3	559.9	348.1	347.4	347.6	48.8	500.2	497.1	498.5	48.3
13.....	556.9	556.9	557.1	337.1	336.7	336.7	47.1	498.1	495.1	497.1	46.5
15.....	555.3	555.2	555.1	298.3	297.9	297.6	44.7	485.1	487.4	487.5	44.
16.....	558.3	563.7	563.2	226.1	225.	224.7	40.	468.	469.7	470.3	39.
17.....	564.5	563.	560.7	231.8	232.1	232.5	40.8	460.7	462.	468.9	40.2
18.....	559.	560.7	562.	305.1	305.	305.7	45.	480.8	486.	487.9	45.
19.....	562.3	558.7	558.	255.6	252.1	249.	40.	507.7	514.5	515.2	39.2
20	545.6	546.2	541.4	252.5	253.5	254.3	42.	539.9	546.3	562.4	42.
22.....	557.1	557.7	556.4	293.	293.5	293.8	45.6	484.5	487.7	491.5	45.7
23.....	548.3	547.3	547.7	440.4	439.	438.9	54.7	515.9	521.4	529.6	54.5
24.....	550.2	547.8	547.3	367.5	367.9	366.8	49.9	522.9	519.5	515.8	....
25.....	560.3	560.2	561.	320.4	319.6	319.1	45.9	482.8	482.9	481.3	45.4
26.....	563.3	563.	564.7	308.6	307.9	307.6	46.	479.1	480.2	486.6	46.
27.....	.....	549.1	.....	.....	323.8	.....	46.	.....	490.6	.....	44.8
29.....	561.	560.	560.6	113.9	113.4	113.7	33.3	457.8	456.7	458.6	32.5
30.....	568.8	569.8	569.4	70.1	70.1	70.1	30.8	460.8	461.6	.....	29.7

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
Dec. 1	565.2	566.4	568.	568.8	570.1	570.4	557.	550.1	564.7	569.9	569.5	570.5	565.9
2	572.5	572.1	570.7	570.4	574.2	569.	558.3	559.9	562.	563.6	562.7	567.9	566.9
3	570.	568.3	563.	568.7	561.6	555.6	556.	562.	568.8	579.	574.	563.9	565.9
4	569.	554.8	566.1	558.1	566.2	557.	548.3	551.	555.	564.2	558.1	556.	558.6
6	560.	562.4	561.1	564.7	564.6	562.9	556.6	558.1	558.8	561.5	580.7	562.9	562.9
7	563.1	561.4	560.5	560.7	566.5	563.	552.	552.	555.1	558.9	566 8	560.9	560.1
8	561.4	567.8	573.	576.2	565.5	544.7	537.9	529.	546.7	559.8	563.8	560.8	557.2
9	557.	553.2	547.9	554.2	550.5	547.5	544.2	547.	548.	555.	560.2	559.1	552.
10	559.3	548.1	551.3	557.5	539 3	552.7	550.8	552.6	554.2	552.8	560.7	561.7	553.4
11	561.	559.7	559.8	558.7	559.9	559.7	551.5	551.7	562.3	562.7	563.9	560.6	559.3
13	562.2	560.9	562.	562.8	558.4	556.8	552.5	549.	556.9	557.2	560.4	559.2	558.2
14	556.9	560.3	563.	564.3	563.6	559.	552.3	539.1	547.	590.7	564.4	553.5	559.5
15	555.4	555.8	558.3	559.1	560.2	559.2	548.5	549.7	552.	560.3	562.	562.1	556.9
16	563.9	561.6	564.4	563.9	570.3	561.9	553.6	555.	566.3	566.	568.8	566.9	563.5
17	563.3	563.	559.8	564.3	557.1	564.4	552.1	551.2	553.4	565.4	565.	567.	560.5
18	561.4	560.3	555.5	557.5	558.	551.4	552.5	546.4	549.7	553.	555.1	559.	555.
20	560.1	552.9	556.	556.2	555.8	559.2	546.6	550.9	554.5	561.	562.6	562.1	556.5
21	561.2	558.1	557.	558.3	557.	555.1	552.2	550.	549.6	556.7	563.5	559.1	556.5
22	557.6	.....	553.4	553.7	553.9	555.	543.8	535.8	544.6	552.3	551.3	554.3	550.5
23	555.5	536.2	561.1	558.2	559.2	557.7	552.	553.	556.	558.	581.9	563.7	557.7
24	565.	565.6	563.8	565.3	557.8	557.6	550.	551.5	554.5	571.2	557.	560.1	559.9
25	555.	553.9	546.6	555.1	556.	557.	555.1	552.4	561.8	562.2	564.6	565.	557.1
27	561.1	561.5	562.7	561.3	562.5	561.9	553.5	547.8	556.9	557.8	561.8	557.6	558.9
28	557.2	558.3	556.9	559.9	561.4	557.9	552.9	554.9	557.4	556 9	561.2	559.6	557.9
29	556.8	556.	560.7	562.7	559.9	562.	555.	555.5	557.	561.5	563.	561.6	559.3
30	559.7	558.2	556.4	558.7	550.1	551.8	530.5	541.7	553.2	559.2	566.4	563.8	554.1
31	561.1	560.3	562.	556.4	556.8	568.5	557.6	556.3	562.5	563.7	567.2	563.1	561.3
Means	561.2	559.1	560.	561.3	559.9	558.5	550.9	550.1	555.9	562.2	564 3	561.6	558.7

Göttingen time.. Observatory time	h. m. 5 57½ 0 17	h. m. 7 57½ 2 17	h. m. 9 57½ 4 17	h. m. 11 57½ 6 17	h. m. 13 57½ 8 17	h. m. 15 57½ 10 17	h. m. 17 57½ 12 17	h. m. 19 57½ 14 17	h. m. 21 57½ 16 17	h. m. 23 57½ 18 17	h. m. 1 57½ 20 17	h. m. 3 57½ 22 17	Means.	Reduced to 32° F.
Dec. 1.....	134.5	116.8	105.8	94.6	82.5	97.7	140.	183.5	211.4	204.1	198.5	192.5	146.8	105.
2.....	184.5	181.7	162.1	148.	140.9	159.5	196.4	208.7	219.9	223.	214.9	211.3	187.6	118.8
3.....	214.	207.8	212.7	211.8	205.4	211.7	211.5	218.2	233.1	244.5	271.4	313.5	229 6	118.9
4.....	340.2	373.5	372.8	378.	382.5	388.	411.9	415.7	417.5	410.8	394.9	378.8	388.7	137.6
6.....	227.	215.2	209.4	202.5	198.	226.5	240.1	239.	239.5	239.6	239.	236.5	226.	120.7
7.....	231.	214.2	200.7	186.8	180.	200.2	227.6	246.	261.	263.6	263.	247.7	226.8	121.5
8.....	223.	201.2	179.5	165.2	152.1	174.7	250.2	329.7	*412.5	431.	425.4	415.	280.	126.1
9.....	409.1	439.4	503.3	543.2	556.	593.5	611.1	624.6	623.2	634.5	630.4	616.4	565.4	152.3
10.....	601.2	597.5	627.9	635.8	633.	644.	669.8	669.4	662.	689.7	739.8	737.6	659.	166.3
11.....	716.5	702.4	707.2	712.2	706.	698.2	695.1	694.2	686.5	656.1	634.7	620.2	685.8	178.2
13.....	556.4	515.4	506.4	508.3	542.	583.5	573.5	580.7	611.4	617.4	615.5	614.4	568.7	155.6
14.....	611.7	637.1	674.2	679.1	680.3	694.3	708.	717.	723.1	718.2	709.9	701.5	687.9	164.1
15.....	704.6	704.7	683.4	650.8	643.4	649.1	650.6	711.8	720.	737.3	755.1	748.8	696.6	175.5
16.....	725.9	712.6	725.9	755.2	735.2	702.1	677.3	672.	672.	670.1	651.2	627.6	693.9	186.3
17.....	609.5	604.5	604.3	639.9	643.	663.2	660.	690.4	703.9	692.	661.7	602.2	647.9	175.4
18.....	535.2	494.6	456.	504.4	524.3	552.7	568.8	554.4	580.2	585.3	596.7	576.	544.	168.1
20.....	574.8	560.1	†563.	567.8	574.3	629.6	644.	630.6	631.7	630.2	616.3	603.	602.1	178.2
21.....	586.9	583.4	607.	611.1	620.	676.5	703.1	679.1	686.5	695.8	644.3	586.7	640.	185.1
22.....	551.1	.....	514.3	518.5	534.4	575.5	595.7	607.5	634.8	634.9	596.7	572.9	576.	172.4
23.....	543.9	523.5	484.5	460.6	493.9	548.2	594.8	626 6	654.9	660.3	649.9	627.9	572.4	175.5
24.....	603.1	688.5	706.1	703.2	717.	736.4	737.	713.4	695.2	660.8	621.5	609.	682.6	181.8
25.....	602.6	613.9	628.2	639.6	638.6	643.7	597.3	499.7	439.3	392.1	350.	314.7	530.	173.6
27.....	567.1	579.4	594.4	615.6	646.2	656.	644.4	687.7	719.7	702.	686.	657.3	646.3	172.5
28.....	675.2	674.5	667.	686.9	707.5	732.	737.	731.1	713.	715.5	734.5	713.5	707.3	183.5
29.....	697.4	704.	710.5	697.2	683.	708.1	700.4	694.6	699.7	708.9	692.	683.1	698.2	187.9
30.....	676.5	682.8	700.	722.1	699.4	664.4	711.8	693.	678.9	677.5	677.5	664.4	687.4	182.5
31.....	669.9	667.1	654.7	651.7	654.2	660.5	642.4	655.5	651.	631.7	612.2	604.8	646.3	186.
Means.....	510.1	507.5	509.7	514.4	517.5	535.9	548.1	554.6	562.3	560.2	551.2	536.2	534.1	
Reduced to 32° F.	165.9	157.9	157.4	160.7	153.	155.2	160.7	152.3	158.7	171.4	170.5	173.1		161.5

* Eight minutes late. † Nine minutes late.

Göttingen time / Observatory time	h. m. 5 57½ / 0 17	h. m. 7 57½ / 2 17	h. m. 9 57½ / 4 17	h. m. 11 57½ / 6 17	h. m. 13 57½ / 8 17	h. m. 15 57½ / 10 17	h. m. 17 57½ / 12 17	h. m. 19 57½ / 14 17	h. m. 21 57½ / 16 17	h. m. 23 57½ / 18 17	h. m. 1 57½ / 20 17	h. m. 3 57½ / 22 17	Means.
Dec. 1	33.5	32.9	32.	31.5	31.	33.	36.	39.	39.	38.1	38.	36.9	35.1
2	36.2	35.8	34.7	34.	34.	36.	38.5	39.	40.	39.	39.	38.6	37.1
3	38.1	38.1	37.9	37.8	37.8	38.7	39.3	40.	41.	42.3	44.8	47.	40.2
4	48.5	49.5	49.8	49.9	50.	50.7	53.	52.4	52.9	51.3	50.	48.8	50.6
6	39.1	38.8	38.4	38.	38.3	40.8	41.	41.	41.	40.8	40.5	40.	39.8
7	39.4	38.4	37.7	36.8	37.	39.	41.	41.9	42.9	42.	41.9	40.	39.8
8	34.	37.	36.	35.	35.	38.	44.4	50.	54.3	53.7	52.	51.7	43.4
9	51.4	55.4	60.	61.	61.7	65.	66.	66.5	66.1	67.	66.	64.9	62.6
10	63.8	64.8	67.2	66.	65.7	68.	69.3	69.3	68.1	73.	74.5	72.7	68.5
11	71.3	70.7	71.9	71.5	71.2	70.2	70.6	71.	68.9	66.9	66.	65.3	69.6
13	60.1	58.	58.2	59.	63.	63.8	62.	65.1	66.1	66.	65.	65.2	62.6
14	65.2	68.	70.3	69.7	70.	71.	72.	73.6	75.2	72.2	71.4	71.	70.8
15	71.7	70.6	67.8	66.	67.3	67.8	69.	74.	72.	74.	74.5	72.4	70.6
16	71.	71.2	72.3	72.8	71.7	69.	68.9	68.8	69.9	68.1	66.6	65.	69.6
17	64.	64.	65.8	67.	68.	68.	68.5	72.	70.2	69.	66.	61.8	67.
18	57.7	53.9	54.4	59.	58.6	61.8	60.7	62.	64.5	62.	63.	60.	59.8
20	60.1	60.4	61.1	60.8	63.	66.3	66.2	65.3	65.7	65.	64.	62.8	63.4
21	62.	62.9	64.5	63.8	66.1	70.2	69.	68.	69.9	69.	63.2	60.3	65.7
22	58.9	....	58.8	57.8	60.3	63.	63.	65.4	66.9	64.	61.9	61.	61.9
23	58.	57.5	53.8	55.4	57.8	62.2	64.7	66.8	68.	67.2	66.1	59.5	61.4
24	66.1	72.4	70.2	70.	72.1	72.2	72.	70.5	69.	65.9	64.8	64.	69.1
25	64.4	64.9	66.2	66.	66.2	66.	60.9	55.7	52.	49.	46.	44.	58.4
27	62.2	63.	63.9	65.1	67.8	67.1	65.5	73.5	71.	70.	67.7	68.1	67.1
28	69.4	68.	68.8	70.1	71.8	72.7	72.7	71.6	71.	71.1	72.2	69.9	70.8
29	69.9	71.7	70.3	69.	69.	70.5	69.	70.1	70.3	70.	68.7	69.	69.8
30	68.	69.9	70.5	71.9	70.	67.5	71.	69.	69.	....	69.	67.1	69.4
31	68.2	66.6	67.	66.3	68.	66.9	65.	67.	66.9	64.	64.	63.	66.1
Means	57.5	57.9	58.1	58.2	59.	60.2	60.7	61.8	61.9	60.8	60.2	58.9	59.6

Degrees Fahrenheit.

Göttingen time.. Observatory time	h. m. 6 02½ 0 22	h. m. 8 02½ 2 22	h. m. 10 02½ 4 22	h. m. 12 02½ 6 22	h. m. 14 02½ 8 22	h. m. 16 02½ 10 22	h. m. 18 02½ 12 22	h. m. 20 02½ 14 22	h. m. 22 02½ 16 22	h. m. 0 02½ 18 22	h. m. 2 02½ 20 22	h. m. 4 02½ 22 22	Means.	Reduced to 32° F.
Dec. 1.....	464.9	459.9	454.1	451.3	453 9	457.	461.8	468.3	472.	512.9	498.7	487.9	470.2	464.3
2.....	494.7	478.7	475.7	472.	471.8	493.2	479.3	479.1	475.	479.	518.3	507.2	485.3	472.1
3.....	496.9	487.5	466.8	455.7	528.3	500.5	541.7	507.1	508.9	535.3	550.3	542.	510.1	487.7
4.....	530.6	518.7	525.2	520.6	506.9	549.2	551.	543.	530.	544.8	522.7	505.7	529.	477.5
6.....	483.9	481.	483.6	473.8	487.4	502.9	498.7	487.	498.	489.2	482.1	497.3	488.7	468.8
7.....	468.1	481.9	473.4	470.	472.1	495.3	489.7	472.6	467.3	465.6	492.9	493.6	478.5	460.3
8.....	494.5	498.	483.	484.8	476.9	556.3	546.	519.1	522.5	520.1	527.5	522.6	512.6	485.2
9.....	518.1	513.	511.3	521.7	527 5	555.7	546.	543.	532.	539.4	542.	551.9	533.5	457.3
10.....	543.7	533.3	538.	533.5	564.	534.4	566.3	568.3	558.1	553 9	567.2	567.9	552.4	462.2
11.....	571.	562.2	558.2	559.2	560.2	571.4	566.2	551.7	546.6	546.	543.8	538.7	556.3	461.4
13.....	529.3	520.3	516.4	516.6	512.2	516.6	527.2	518.6	529.9	530.8	533.6	536 3	524.	450.4
14.....	534.9	537.	540.6	546.3	556.	543.8	560.3	581.3	598.5	654.3	594.	577.8	568.7	473.5
15.....	569.7	569.3	565.4	560.5	559.2	571.2	565.	557.9	553.2	559.2	561.4	569.1	563.4	469.
16.....	566.2	569.7	564.3	561.5	565.1	592.8	572.6	573.4	596.9	587.8	580.	570.4	575.1	481.3
17.....	554.1	551.2	535.2	538.4	544.4	544.7	564.4	564.4	551.2	568.4	554.6	547.5	551.5	469.7
18.....	526.8	508.1	500.9	495.4	503.6	510.7	525.5	515.3	527.8	503.4	503.3	511.7	511.	457.2
20.....	539.8	525.3	531.7	531.5	523.6	540.2	546.8	542.5	540.5	542.5	551.2	540.8	538.	463.5
21.....	536.9	534.8	531.6	533.5	530.2	544.	561.3	544.8	530.2	533.5	539.1	529.	537.4	458.2
22.....	522.4	.....	503.2	497.1	498.4	509.4	525.1	522.6	507.7	516.3	518.7	515.8	512.4	446.
23.....	519.7	510.	517.8	504.9	509.8	530.7	546.	531.6	530.3	537.2	544.7	540.1	526.9	459.1
24.....	555.6	562.8	566.9	556.6	547.9	565.	587.1	566 1	554.5	543.3	544.	551.3	558.4	471.6
25.....	536.9	543.6	550.9	539.6	538.9	550.3	588.5	550.7	542.4	547.7	533.2	521.6	545.6	485.1
27.....	529.3	530.6	530.4	529.	533.6	556.5	565.9	556.	554.1	552.3	553.6	554 3	545.5	469.1
28.....	556.	559.4	554.	552.1	550.3	572.9	592.	574.	562.2	558 3	563.2	559.2	562.8	473.2
29.....	558.4	553.8	553.5	549.6	544.9	568.6	574.6	561.4	551.6	553.	555.1	553.7	556.5	470.3
30.....	548.4	541.8	541.3	529.5	573.8	540.1	635.7	635.7	613.7	636.8	609.7	585.8	582.7	494.8
31.....	593.6	584.4	576.7	562.5	571.3	586.8	615.5	577.1	582.5	564.	549.8	561.	577.1	497.3
Means.....	531.3	527.5	524.1	520.3	526.4	539.3	551.8	541.2	538.4	543.5	542.	539.	535.4	
Reduced to 32° F.	470.	466.2	461.7	458.4	463.1	473.5	484.3	471.2	467.8	474.3	475.1	474.6		469.9

Göttingen time / Observatory time	h. m. 6 02½ / 0 22	h. m. 8 02½ / 2 22	h. m. 10 02½ / 4 22	h. m. 12 02½ / 6 22	h. m. 14 02½ / 8 22	h. m. 16 02½ / 10 22	h. m. 18 02½ / 12 22	h. m. 20 02½ / 14 22	h. m. 22 02½ / 16 22	h. m. 0 02½ / 18 22	h. m. 2 02½ / 20 22	h. m. 4 02½ / 22 22	Means.
Dec. 1	32.8	32.	31.5	30.7	30.3	31.7	34.	37.	38.3	37.8	37.	36.3	34.1
2	36.	35.	34.6	33.6	33.3	35.	38.	39.2	40.	39.	38.7	38.	36.7
3	37.9	37.5	37.5	37.5	37.8	38.5	39.3	40.2	41.	42.7	43.	46.8	40.
4	49.	49.8	50.2	50.2	50.	51.	52.2	52.1	52.4	50.9	49.	48.	50.4
6	38.7	38.2	37.8	37.5	37.8	39.3	40.	40.2	40.2	40.1	40.	39.6	39.1
7	38.8	37.8	36.8	36.	35.8	37.	39.2	40.2	41.	40.4	40.	38.9	38.5
8	37.	36.1	35.	34.	34.	36.2	42.	47.	50.6	50.5	49.8	49.	41.8
9	49.3	52.	56.2	57.8	58.6	61.	62.	63.	63.	63.7	62.8	61.5	59.2
10	60.8	61.1	62.6	61.8	61.5	63.	64.8	65.2	65.1	67.5	69.	68.4	64.2
11	68.	67.5	68.2	67.8	67.5	67.	67.	66.7	65.	62.9	61.7	61.	65.9
13	56.8	54.6	55.1	55.7	57.	58.	57.8	60.3	60.8	61.	61.	61.3	58.3
14	61.3	63.3	65.3	65.4	66.	67.	67.	68.	68.5	67.7	66.4	66.2	66.
15	66.5	65.8	64.	62.3	62.6	63.	64.	67.8	67.	68.5	69.3	68.	65.7
16	67.1	67.1	68.1	68.5	67.7	65.5	65.	64.5	65.	63.8	62.7	61.4	65.5
17	60.5	60.3	61.3	62.	62.8	62.6	63.	65.	63.	61.	58.5	54.5	61.2
18	51.	48.3	49.	50.4	50.	51.9	51.	51.6	52.7	53.	54.	52.	51.2
20	56.	56.2	56.8	56.3	57.7	60.	60.5	60.4	60.6	60.2	59.5	58.6	58.6
21	58.4	58.1	59.8	59.6	61.	63.	62.5	62.	63.	62.	58.5	56.	60.3
22	54.	....	....	52.2	53.8	55.2	56.	58.	59.	57.9	56.	55.	55.7
23	53.	52.1	49.8	49.8	51.5	54.7	57.3	60.	61.7	61.8	61.3	61.	56.2
24	62.2	66.9	66.3	65.4	66.2	65.3	64.	63.2	61.9	59.6	58.	57.2	63.
25	57.8	58.	59.2	59.4	59.3	59.3	56.3	52.5	49.3	46.7	44.1	41.	53.6
27	53.9	55.1	56.5	57.1	59.	59.2	58.6	64.	63.4	62.5	61.	61.	59.3
28	62.	61.9	62.	63.	64.	65.	66.	65.4	65.2	65.	65.	63.1	64.
29	62.6	63.	62.7	61.9	62.	63.3	63.	63.	64.	63.2	62.3	62.4	62.8
30	62.	62.9	63.7	64.9	64.	64.	65.	63.2	63.	63.4	62.8	62.	63.4
31	62.3	61.2	61.2	60.9	61.9	61.2	60.	60.5	60.8	59.2	58.7	57.9	60.5
Means	53.9	53.9	54.3	54.1	54.6	55.5	56.1	57.	57.2	56.7	55.9	55.	55.4

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time..... Observatory time.....	h. m. 13 52½ 8 12	h. m. 14 00 8 19½	h. m. 14 07½ 8 27	h. m. 13 50 8 09½	h. m. 13 57½ 8 17	h. m. 14 05 8 24½	Temperature Fahrenheit.	h. m. 13 55 8 14½	h. m. 14 02½ 8 22	h. m. 14 10 8 29½	Temperature Fahrenheit.
Dec. 1	570.5	570.1	570.5	83.7	82.5	82.4	31.	453.2	453.9	454.	30.3
2	573.7	574.2	573.9	141.1	140.9	140.5	34.	472.1	471.8	475.	33.3
3	561.7	561.6	554.9	205.6	205.4	204.7	37.8	509.5	528.3	525.	37.8
4	565.7	566.2	566.5	382.4	382.5	381.2	50.	506.7	506.9	512.3	50.
6	565.	564.6	565.3	197.5	198.	198.9	38.3	482.9	487.4	485.6	37.8
7	565.8	566.5	567.	179.9	180.	180.	37.	471.6	472.1	472.3	35.8
8	567.7	565.5	565.1	153.5	152.1	151.4	35.	479.1	476.9	478.	34.
9	553.2	550.5	547.4	554.4	556.	556.1	61.7	523.6	527.5	525.4	58.6
10	542.8	539.3	539.6	633.3	633.	632.7	65.7	567.1	564.	558.3	61.5
11	559.9	559.9	560.2	706.6	706.	705.9	71.2	562.4	560.2	562.	67.5
13	558.8	558.4	559.1	538.5	542.	545.8	63.	507.1	512.2	508.3	57.
14	562.6	563.6	562.5	679.5	680.3	682.4	70.	553.2	556.	556.1	66.
15	560.1	560.2	560.6	642.8	643.4	644.4	67.3	558.8	559.2	561.1	62.6
16	570.	570.3	568.5	735.7	735.2	734.8	71.7	566.7	565.1	567.3	67.7
17	560.3	557.1	558.4	641.	643.	646.8	68.	545.	544.4	543.9	62.8
18	557.6	558.	557.	524.8	524.3	523.4	58.6	504.5	503.6	504.5	50.
20	553.	555.8	557.5	571.8	574.3	576.5	63.	527.4	523.6	522.2	57.7
21	557.3	557.	556.9	620.2	620.	624.6	66.1	528.6	530.2	529.7	61.
22	552.8	553.9	554.2	532.8	534.4	536.2	60.3	491.6	498.4	498.7	53.8
23	.....	559.2	.....	.....	493.9	.....	57.8	.....	509.8	.....	51.5
24	558.	557.8	557.1	715.2	717.	718.4	72.1	.....	547.9	552.3	66.2
25	555.5	556.	555.9	637.5	638.6	638.8	66.2	537.9	538.9	538.4	59.3
27	561.7	562.5	562.8	644.9	646.2	647.9	67.8	.....	533.6	534.3	59.
28	561.1	561.4	561.	705.6	707.5	708.8	71.8	551.6	550.3	551.4	64.
29	559.2	559.9	559.6	682.2	683.	683.3	69.	544.5	544.9	545.1	62.
30	552.9	550.1	547.7	717.1	699.4	714.5	70.	.....	573.8	573.5	64.
31	555.4	556.8	557.7	653.	654.2	655.	68.	570.6	571.3	571.6	61.9

MAGNETIC OBSERVATORY

AT THE

GIRARD COLLEGE, PHILADELPHIA.

TERM DAY MAGNETIC OBSERVATIONS,

FROM JANUARY TO JUNE, 1841.

GENERAL NOTE.

The condition of the instruments has been described in the general notes to the ordinary observations.

Göttingen time..	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.	
m.													m.	s.
0	570.3	578.4	577.	579.1	587.8	582.3	584.8	578.4	578.4	579.	580.4	578.9	19	30
5	568.9	577.7	577.6	579.5	580.8	584.2	583.6	577.7	578.2	579.8	580.	579.1	24	30
10	570.	577.9	578.	580.8	582.3	588.	582.9	578.2	578.2	579.7	580.2	579.	29	30
15	574.2	577.8	578.8	581.3	581.4	591.2	580.5	579.	.....	579.6	580.4	579.	34	30
20	579.6	577.5	578.8	582.1	581.5	595.5	579.	579.	578.6	580.	581.	578.9	39	30
25	581.	576.8	580.	583.4	581.	597.	578.	578.9	578.6	580.5	581.	579.	44	30
30	580.	576.6	580.3	584.	580.9	595.1	577.9	578.	578.1	580.2	581.	579.	49	30
35	579.5	575.7	580.2	583.7	580.5	592.7	577.9	578.5	578.2	580.4	581.2	579.1	54	30
40	579.6	576.	580.	583.8	581.	587.8	578.1	578.2	578.9	580.8	580.9	579.2	59	30
45	578.6	576.3	580.	584.2	581.1	585.3	578.9	578.2	578.2	581.	580.1	579.9	4	30
50	578.1	576.7	579.8	590.8	581.5	585.6	579.2	578.6	577.8	580.9	579.7	580.	9	30
55	578.7	576.8	579.4	590.5	582.	585.7	579.	578.8	578.7	580.8	578.9	579.9	14	30

Göttingen time..	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	..Observatory time.	
m.													m.	s.
0	580.1	580.	580.2	582.9	583.2	587.	584.8	583.	576.	568.7	566.8	561.1	19	30
5	579.9	580.	580.	582.9	585.2	586.5	585.6	583.2	574.6	565.8	566.	561.6	24	30
10	579.3	580.	580.9	582.9	585.6	586.3	587.4	582.4	574.2	569.4	566.5	562.5	29	30
15	580.2	579.7	581.	582.9	584.6	587.6	585.	583.	572.6	570.1	566.1	565.7	34	30
20	579.6	579.9	580.8	583.9	584.7	586.8	585.	583.6	571.2	571.	567.	568.8	39	30
25	579.4	580.	581.5	584.	586.3	585.4	585.2	582.4	570.6	568.7	567.3	569.6	44	30
30	579.7	579.7	581.1	584.	587.2	586.7	584.7	581.7	569.7	567.6	567.	568.	49	30
35	580.	580.	581.5	584.	587.	586.3	583.7	581.2	569.7	570.4	565.	571.4	54	30
40	579.5	579.8	581.7	584.	587.	586.6	583.2	580.	569.7	569.9	564.1	571.	59	30
45	579.5	580.	581.9	584.8	586.8	587.	583.3	579.1	569.7	570.1	560.7	570.8	4	30
50	579.9	580.3	583.8	584.7	587.1	586.7	583.2	577.7	570.2	569.7	558.1	570.7	9	30
55	580.1	580.2	582.4	584.7	586.5	585.8	583.	577.3	570.6	567.9	559.8	573.	14	30

Göttingen time....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
2 30	952.2	924.1	938.9	936.7	946.9	945.7	942.	932.3	931.3	934.	935.4	936.5	22
12 30	962.	926.7	936.6	936.1	944.9	949.	930.	930.2	932.2	932.3	935.7	935.8	32
22 30	944.8	929.4	935.7	937.	938.9	951.6	932.4	936.5	932.5	936.	936.	935.7	42
32 30	934.4	932.5	933.1	935.	943.3	939.8	932.	940.2	933.2	934.	938.3	932.9	52
42 30	.....	936.5	934.4	934.3	946.4	939.7	934.3	933.7	930.9	935.8	939.6	934.3	2
52 30	922.8	939.8	925.8	947.6	945.9	933.6	932.	930.3	928.1	937.9	934.5	934.9	12
Thermometer	28.	28.4	29.2	29.5	29.7	30.4	30.8	31.	31.9	.....	32.5	33.	Thermometer.

Göttingen time....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
2 30	933.9	931.1	927.4	920.3	918.7	929.3	938 4	958.7	970.9	969.6	936.6	985.6	22
12 30	933.9	930.7	.....	917.9	919.5	929.7	945.	963.3	972.8	974.5	929.7	998.9	32
22 30	933.9	929.9	923.2	914.3	926.	932.1	942.5	962.8	979.5	945.4	934.7	966.8	42
32 30	933.9	928.6	921.3	913.5	928.3	931.	950.7	964.6	980.	950.7	936.4	969.5	52
42 30	934.	927.3	920.8	913.9	931.	934.8	951.4	968.2	969.7	947.	966.7	945.6	2
52 30	932.6	927.5	920.3	915.9	929.	938.3	956.2	971.6	963.	934.3	998.5	945.1	12
Thermometer	.....	33.1	33.2	33.9	34.3	35.	35.5	36.	36.2	36.8	37.	37.1	Thermometer.

Gottingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time. m.	s.
m.														
0	574.4	574.8	573.	604.3	582.9	586.8	611.3	582.1	579.	578.8	577.9	578.7	19	30
5	574.1	571.8	572.	603.6	582.5	591.1	607.8	581.2	577.5	579.9	578.1	579.1	24	30
10	572.6	571.4	570.2	606.4	582.7	594.9	598.7	582.9	576 2	578.8	578.5	574.4	29	30
15	571.2	571.4	569.9	607.1	582.	593.5	592.5	583.	578.1	573.2	578.9	574.6	34	30
20	571.1	571.9	570.9	603.8	583.2	592.9	591.	582.6	579.6	569.2	579.1	572.8	39	30
25	572.8	569.2	572.4	601.7	583.3	580.5	591.3	583.	579.3	569.1	578.8	570.9	44	30
30	572.	568.4	571.6	597.2	582.1	571.9	587.9	583.6	578.5	571.7	577.2	570.	49	30
35	573 8	567.6	572.	590.4	582.	575.9	586.2	582.9	578.6	573.8	578.9	571 4	54	30
40	574.5	567.3	570.3	582.6	581.2	588.4	582.7	582.8	580.7	575.	578.4	573.2	59	30
45	576.9	569.5	573.5	581.	582.7	592.8	581.5	582.9	583.4	573.2	578.6	574.9	4	30
50	577.1	571.9	581.2	579.9	582.2	597.7	582.7	582.	582.6	573.7	578.9	576.5	9	30
55	576.4	573.3	598.5	581.7	583.5	607.2	582.	580.2	579.2	575.	579.7	576.1	14	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time. m.	s.
m.														
0	577.9	582.9	582.8	585.	589.1	587 5	584.9	575.8	573.1	570.8	566.	571.5	19	30
5	579.7	583.2	582.9	584.7	588.6	588.1	585.1	576.	572.	570.9	567.	571.4	24	30
10	579.	583.7	583.1	585.8	587.2	588.1	584.3	575.8	571.9	569.9	568.3	571.7	29	30
15	579.5	583.4	583.	586.6	587.3	588.	583.6	574.7	573.	569.4	569.7	572.	34	30
20	580.6	583.	582.2	586.3	586.5	587.4	582.3	573.8	572.	569.6	570.1	572.2	39	30
25	581.8	582.9	582.4	587.2	586.	587.4	581.8	575.	571.5	569.7	569.7	572.5	44	30
30	582.5	583.9	582.5	588.6	587.5	586.4	579.9	575.2	571.1	568.2	569.7	572.5	49	30
35	581.9	584.	582.7	588.9	588.	586.4	579.4	574.4	571.2	567.1	570.1	572.6	54	30
40	581.9	583.9	582.4	589.7	587.2	585.1	578.7	575.3	570.	567.1	570.2	572.4	59	30
45	581.4	583.	583.	590.5	587.6	585.6	578.5	574.2	570.	566.	570.5	572.9	4	30
50	581.9	583.3	583.9	588.9	587.2	584.8	577.6	573.1	569.6	565.6	570.4	573.1	9	30
55	583.1	582.9	584.1	588.9	587.8	586.3	576.2	573.3	570.3	565.6	571.1	573.2	14	30

An aurora was observed on the 26th day, from about 19*h.* to 19½*h.*, (observatory time;) after which, it was no longer visible. Light very dim, extending only 5 or 6 degrees above the horizon, and from 80 to 100 degrees horizontally. Sky completely overcast, and very dark.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
2 30	1136.1	1155.6	1165.4	1165.3	1213.7	1198.2	1195.4	1177.8	1183.1	1191.4	1168.7	1177.8	22
12 30	1149.4	1150.8	1168.3	1162.2	1201.3	1189.1	1204.2	1178.5	1178.2	1190.8	1165.	1173.5	32
22 30	1162.	1156.3	1173.6	1180.9	1208.9	1212.7	1207.9	1188.7	1167.1	1192.9	1167.	1153.7	42
32 30	1166.2	1168.3	1179.2	1193.1	1213.9	1231.5	1182.5	1181.6	.....	1177.8	1171.1	1152.	52
42 30	1165.	1195.9	1194.	1213.6	1211.7	1219.	1180.3	1183.3	1172.2	1163.8	1165.5	1151.2	2
52 30	1154.4	1169.6	1221.9	1220.9	1202.3	1214.8	1181.4	1185.1	1180.1	1170.1	1165.	1146.1	12
Thermometer	45.	45.7	45.5	46.	45.8	46.	46.	45.7	45.8	45.7	45.7	45.5	Thermometer.

Gottingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
2 30	1153.2	1158.1	1158.1	1144.6	1154.4	1161.1	1165.1	1189.3	1180.1	1177.6	1179.4	1160.3	22
12 30	1154.8	1156.2	1154.3	1147.6	1153.1	1155.9	1170.4	1197.2	1181.5	1164.8	1176.4	1158.	32
22 30	1157.3	1157.9	1154.9	1146.8	1155.9	1157.7	1175.6	1190.1	1175.	1172.9	1164.4	1156.9	42
32 30	1155.	1158.2	1153.	1146.3	1154.4	1156.1	1181.2	1190.2	1175.2	1181.3	1159.3	1151.6	52
42 30	1157.7	1161.6	1150.6	1147.4	1156.4	1156.9	1181.	1185.3	1178.1	1177.3	1157.6	1161.6	2
52 30	1159.	1159.2	1149.2	1151.3	1157.2	1162.2	1189.2	1187.4	1181.2	1177.9	1155.9	1147.9	12
Thermometer	45.2	45.2	45.3	45.5	45.5	46.	46.	46.3	46.5	46.7	47.	47.5	Thermometer.

Göttingen time....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
7 30.....	733.9	725.9	720.1	718.4	711.7	711.8	722.8	710.9	710.1	713.4	712.3	712.7	27
17 30.....	733.5	725.1	718.4	721.6	711.9	714.1	718.2	711.7	710.6	710.9	712.1	711.4	37
27 30.....	732.	723.8	716.8	721.1	711.	716.6	713.8	711.2	711.1	711.8	711.4	711.5	47
37 30.....	730.9	723.	716.4	717.8	710.	724.2	711.9	711.1	711.4	711.6	711.6	712.5	57
47 30.....	728.4	724.	711.8	714.7	709.	725.6	711.7	710.7	713.9	712.4	712.4	713.1	 7
57 30.....	726.7	721.9	712.	712.5	709.3	722.4	711.	710.2	714.9	712.6	713.5	713.7	17
Thermometer.....	47.5	47.	46.6	46.4	46.	46.	46.	45.8	45.8	45.7	45.7	45.6	.. Thermometer.

Göttingen time....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
7 30.....	713.6	709.2	705.9	707.7	711.3	716.3	719.4	719.	720.	721.7	725 3	734.5	27
17 30.....	713.2	709.8	706.	707.9	711.4	716.9	719.	719.	720.	721.5	725.2	738.6	37
27 30.....	712.6	709.	705.9	708.7	713.5	717.3	718.8	719.3	719.9	721.9	725.9	741.8	47
37 30.....	711.2	708.6	706.3	709.4	714.	717.6	719.1	719.9	720.	723.	725.8	747.5	57
47 30.....	710.7	707.7	707.	710.	714.7	718.	718.7	719.6	720.3	723.	727.1	750.1	 7
57 30.....	710.	706.5	707.	710.6	715.6	718.7	718.8	719.9	721.1	723.4	730.2	750.6	17
Thermometer.....	45.5	45.7	45.8	45.9	46.2	46.4	46.5	46.8	46.8	47.	47.5	48.3	.. Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time. m.	s.
m.														
0	574.5	571.9	582.	602.6	587.9	589.8	581.6	572.9	577.4	569.8	573.4	574.8	19	30
5	574.5	569.3	583.6	601.9	590.5	590.8	579.9	572.3	577.1	570.4	572.9	572.5	24	30
10	573.9	571.9	577.9	598.3	593.3	588.9	577.3	572.2	575.5	571.9	572.1	570.4	29	30
15	571.5	571.5	572.2	592.6	594.1	586.1	578.2	572.3	570.3	572.6	570.7	567.4	34	30
20	567.8	567.3	569.6	591.4	592.7	585.	583.3	572.1	566.1	571.8	571.6	563.9	39	30
25	570.2	566.9	569.6	590.9	589.3	583.5	584.	573.2	563.2	571.9	569.5	563.	44	30
30	569.6	567.4	582.1	592.	588.6	584.6	583.	574.9	564.3	573.4	570.1	562.6	49	30
35	567.7	569.	597.9	592.3	588.	585.8	582.	576.6	566.	574.5	570.5	561.8	54	30
40	568.4	567.	610.8	590.1	587.2	589.3	579.3	577.5	568.6	575.	572.9	561.1	59	30
45	569.6	571.5	609.4	588.7	586.1	592.	574.9	579.7	569.2	575.1	574.5	561.	4	30
50	571.6	576.1	605.7	586.2	585.6	591.	573.	579.9	568.8	574.3	575.9	562.	9	30
55	572.7	578.7	599.8	586.3	586.9	587.5	573.	578.6	568.8	574.2	576.2	563.2	14	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time. m.	s.
m.														
0	567.1	576.6	583.7	587.1	588.6	587.5	583.9	577.5	569.8	564.1	563.3	564.4	19	30
5	567.3	577.1	583.9	588.1	587.6	586.6	583.9	576.9	569.2	564.	563.7	564.3	24	30
10	567.3	576.3	584.5	587.9	587.6	586.9	583.2	576.1	568.6	563.5	563.5	564.9	29	30
15	569.4	577.	584.2	586.5	586.7	587.1	582.7	575.1	568.	563.6	563.9	565.1	34	30
20	572.	578.1	583.	587.	585.9	587.5	582.6	574.6	567.	563.4	564.9	565.5	39	30
25	573.4	580.1	582.4	586.6	587.7	587.3	581.4	574.2	566.3	563.4	564.9	566.4	44	30
30	574.1	581.5	583.1	587.1	587.7	587.7	581.9	573.7	566.	563.5	564.4	567.4	49	30
35	574.2	582.2	583.1	588.6	588.8	586.6	580.7	573.	565.7	563.4	563.7	568.1	54	30
40	575.3	584.	584.5	588.1	589.	586.2	580.	572.3	565.2	563.1	563.6	568.8	59	30
45	575.2	584.2	584.6	589.8	588.6	585.6	579.9	571.8	564.9	563.4	563.4	569.2	4	30
50	575.8	584.2	585.5	587.5	588.	585.3	579.	570.6	564.4	563.5	564.3	569.3	9	30
55	576.5	583.2	586.3	586.8	587.3	584.6	578.3	570.3	564.2	563.1	564.3	570.6	14	30

The aurora, on the evening of the 24th, was first observed at 21*h*. 10*m*., (observatory time,) at which time the light was pretty bright; streamers occasionally shooting up to the height of 8° to 10°; it gradually diminished, and disappeared at 21*h*. 30*m*. There was probably one between 18*h*. and 19*h*., but it could not be seen, on account of the evening twilight.

Göttingen time....	h. ...22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
2 30.....	1204.1	1203.1	1234.7	1199.	1260.8	1244.1	1219.2	1215.7	1205.2	1190.3	1179.6	1193.1	22
12 30.....	.....	1222.9	1224.9	1224.7	1275.3	1229.8	1225.8	1198.6	1201.6	1180.7	1180.9	1196.9	32
22 30.....	1217.2	1227.4	1222.8	1256.2	1278.	1234.5	1220.5	1195.2	1202.8	1189.7	1178.8	1197.7	42
32 30.....	1209.9	1255.4	1222.4	1283.	1264.	1233.1	1224.5	1193.3	1201.1	1198.	1177.1	1191.2	52
42 30.....	1199.2	1261.4	1183.6	1276.7	1273.1	1229.3	1220.6	1199.2	1193.	1190.2	1179.9	1189.3	 2
52 30.....	1208.2	1245.5	1190.2	1277.2	1265.2	1220.5	1223.3	1203.6	1184.	1185.2	1187.7	1184.4	12
Thermometer.....	55.	55.1	56.	56.	55.8	55.4	55.	54.	54.	53.1	52.6	52.	..Thermometer.

Göttingen time....	h. ...10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
2 30.....	1176.3	1166.	1179.1	1178.3	1188.7	1184.8	1200.7	1213.3	1212.7	1201.3	1184.8	1193.6	22
12 30.....	1176.9	1169.4	1178.3	1182.	1184.6	1191.5	1205.7	1214.	1210.	1200.4	1181.5	1191.8	32
22 30.....	1184.9	1170.6	1179.8	1182.7	1188.9	1191.6	1208.3	1214.7	1210.4	1196.6	1178.	1198.5	42
32 30.....	1184.3	.....	1177.1	1192.2	1186.2	1193.2	1208.9	1213.9	1209.	1194.3	1189.5	1199.5	52
42 30.....	1173.7	1177.6	1179.8	1194.1	1182.1	1195.9	1211.	1214.	1210.3	1195.	1195.4	1200.4	 2
52 30.....	1172.9	1178.2	1174.4	1188.8	1183.3	1198.4	1210.5	1212.9	1206.1	1189.	1196.4	1202.	12
Thermometer.....	51.	50.7	50.	50.	50.	50.9	51.5	52.5	53.5	55.	56.7	58.	..Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
7 30	828.3	842.6	855.6	876.8	872.5	875.3	871.8	863.	862.4	861.5	853.1	845.6	27
17 30	830.4	844.5	858.6	876.	873.4	873.5	870.	865.7	860.7	860.6	851.6	843.8	37
27 30	833.8	845.5	860.4	874.5	871.	873.	869.5	865.5	861.4	861.3	850.3	843.1	47
37 30	837.4	845.5	863.8	873.1	872.2	872.5	867.4	867.3	864.1	860.7	850.5	841.7	57
47 30	838.9	848.1	873.2	872.	872.3	873.	866.5	867.6	862.1	858.2	850.5	839.1	7
57 30	841.	850.8	875.8	871.	872.3	874.3	863.5	864.6	862.7	855.5	849.9	837.4	17
Thermometer	55.	56.	56.3	56.3	56.	55.4	55.1	54.	54.1	53.8	53.	52.4	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
7 30	834.6	821.7	811.8	806.3	802.8	804.8	816.3	830.6	845.7	862.2	883.5	899.4	27
17 30	834.3	820.2	809.9	805.1	802.5	806.7	818.9	833.2	848.	865.3	886.6	902.1	37
27 30	832.8	818.1	808.9	804.5	803.	808.5	821.2	835.6	850.4	868.4	888.7	905.	47
37 30	831.	818.1	809.	804.1	803.4	810.1	823.5	838.4	856.	872.3	891.3	907.3	57
47 30	828.5	816.1	808.	803.7	803.9	812.	825.9	840.6	856.1	877.	894.9	908.8	7
57 30	825.1	813.9	806.9	803.2	803.9	814.1	827.7	843.3	858.8	879.7	896.8	911.9	17
Thermometer	51.4	51.	50.5	50.4	50.8	51.5	52.5	54.	55.	56.7	58.	59.	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
0	574.1	585.5	582.	581.3	583.	578.9	578.7	581.6	580.5	583.	583.	574.2	19	30
5	574.1	590.8	580.9	580.8	580.7	573.5	580.7	579.8	578.8	583.4	583.3	574.5	24	30
10	574.1	592.6	580.4	580.8	581.4	571.9	582.1	578.1	576.6	583.9	581.7	575.3	29	30
15	574.3	594.1	579.9	580.9	581.1	577.3	582.	577.3	574.4	583.1	576.3	577.7	34	30
20	574.9	593.1	578.9	581.	580.	579.2	581.3	576.3	573.8	583.9	573.5	578.2	39	30
25	574.	588.7	578.8	579.5	578.9	568.6	580.6	575.5	574.9	582.9	570.4	579.	44	30
30	574.5	584.9	579.	578.	579.7	563.4	580.3	575.4	576.2	583.5	574.6	579.8	49	30
35	573.7	584.9	578.6	577.1	580.	573.	581.3	576.7	577.	582.4	567.6	581.5	54	30
40	573.8	584.5	578.6	576.6	580.1	584.1	581.9	577.	578.6	582.2	567.4	583.1	59	30
45	573.8	584.	579.8	577.8	586.4	585.9	582.2	578.2	581.4	582.3	568.5	584.7	4	30
50	574.5	584.2	580.4	580.7	595.3	580.7	583.	579.7	583.	584.4	569.9	586.	9	30
55	576.5	583.5	580.5	582.7	591.4	577.1	582.6	579.7	582.8	583.8	572.	586.4	14	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
0	586.9	585.2	589.	585.7	585.7	584.9	579.	568.8	564.9	563.8	568.7	571.	19	30
5	587.7	585.5	589.	585.5	586.1	584.4	578.3	568.4	566.3	564.5	569.	570.8	24	30
10	588.	585.2	589.5	585.2	585.6	583.4	577.2	567.2	564.9	564.8	569.	570.8	29	30
15	587.9	586.1	589.9	584.9	584.1	582.1	576.5	566.3	564.7	564.9	569.1	571.	34	30
20	587.	586.6	589.3	584.1	583.	581.1	575.1	566.5	564.6	565.8	569.4	570.3	39	30
25	586.5	587.	589.	584.	582.1	581.	574.9	566.8	564.2	567.	569.8	570.	44	30
30	586.	586.7	588.6	584.	581.7	580.5	574.	565.2	563.8	568.5	570.	569.9	49	30
35	584.9	587.4	588.1	583.3	582.9	579.8	573.	565.3	564.1	569.4	570.4	569.7	54	30
40	584.8	587.5	589.1	582.	583.3	579.3	572.	565.1	564.	569.4	570.9	569.9	59	30
45	585.	589.	589.1	582.9	584.4	580.	571.8	565.1	563.3	568.9	571.1	570.	4	30
50	585.2	588.	587.9	584.3	584.	579.4	570.	565.2	563.3	569.3	571.4	570.	9	30
55	584.9	588.4	586.7	584.9	584.7	579.2	568.6	565.	563.2	569.	571.2	569.2	14	30

Göttingen time....	h. ...22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
2 30.....	1173.6	1191.3	1186.3	1201.6	1201.4	1162.8	1159.9	1184.2	1180.7	1174.6	1181.	1163.	22
12 30.....	1163.2	1180.7	1187.9	1203.2	1201.8	1184.8	1166.	1184.4	1181.7	1182.7	1180.3	1162.2	32
22 30.....	1153.5	1167.2	1196.	1209.7	1197.8	1130.2	1170.3	1180.8	1173.3	1192.2	1179.5	1159.4	42
32 30.....	1155.4	1188.1	1192.3	1217.5	1195.2	1168.1	1182.9	1173.3	1160.8	1190.6	1179.3	1158.3	52
42 30.....	1167.8	1199.	1191.7	1217.3	1201.2	1149.	1182.4	1171.6	1163.4	1188.4	1176.5	1158.6	 2
52 30.....	1192.1	1178.7	1198.8	1206.8	1154.6	1155.	1181.8	1178.3	1166.7	1184.	1166.5	1158.1	12
Thermometer.....	56.	56.	55.	54.	53.6	53.	51.7	51.2	51.4	50.	49.5	49.4	..Thermometer.

Göttingen time....	h. ...10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
2 30.....	1163.1	1153.3	1162.3	1187.6	1187.2	1200.8	1211.1	1229.5	1204.2	.....	1175.9	1157.5	22
12 30.....	1160.7	1153.2	1161.5	1193.9	1190.2	1204.1	1221.	1236.2	1202.	1197.5	1177.1	1160.4	32
22 30.....	1164.2	1155.4	1162.9	1197.7	1186.	1205.4	1216.2	1223.8	1204.3	1194.6	1125.8	1166.6	42
32 30.....	1159.5	1157.	1165.3	1195.2	1189.9	1210.	1218.1	1222.4	1212.1	1180.	1181.3	1167.	52
42 30.....	1158.	1157.6	1169.6	1186.3	1194.4	1211.4	1222.6	1214.1	1208.4	1168.6	1168.8	1167.8	 2
52 30.....	1153.9	1161.4	1178.	1186.1	1198.8	1214.9	1229.8	1208.3	1200.5	1170.6	1162.7	1175.8	12
Thermometer.....	49.8	49.4	48.	48.8	50.	50.	50.1	50.3	50.7	51.	51.	51.	..Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
7 30	905.	903.2	899.	894.	886.3	886.2	880.8	866.	858.3	851.6	843.1	843.	27
17 30	904.2	901.7	898.1	892.2	885.2	885.5	878.	863.3	855.5	850.	843.4	842.4	37
27 30	902.1	900.	897.9	891.	884.7	890.1	875.7	861.5	854.8	848.5	843.3	841.6	47
37 30	901.6	900.2	896.8	888.9	883.5	889.6	873.2	861.9	854.2	847.	844.5	840.5	57
47 30	901.7	900.2	896.2	888.2	884.7	887.4	870.9	860.4	854.	845.7	844.8	839.2	7
57 30	903.5	899.3	895.5	888.1	886.5	883.3	868.7	860.7	852.5	845.5	844.5	837.1	17
Thermometer	56.	55.5	54.7	54.	54.	53.3	52.1	52.	52.6	52.	51.	50.4	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
7 30	835.2	823.4	820.4	815.5	819.3	826.7	830.2	833.1	835.	839.1	836.	836.1	27
17 30	832.	822 8	818.9	815.5	820.2	826.9	830.7	834.	835.5	838.1	836.7	835.5	37
27 30	829.4	821.8	817.8	815.8	821.5	828.	831.	834.2	836.	838.	836.9	835.6	47
37 30	827.1	820.9	817.8	815.5	822.9	828.9	831.	835.	836.7	837.5	837.4	834.3	57
47 30	826.4	820.	816.6	817.	824.2	829.4	832.3	835.	837.4	836.9	836.9	834.7	7
57 30	824.9	819.6	815.8	818.	824.6	830.1	832.6	834.9	838.3	836.5	836.7	835.4	17
Thermometer	50.	49.8	49.7	49.3	50.6	50.6	50.7	51.	51.6	51.8	51.5	51.5	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
0	571.1	579.	578.6	577.	578.6	572.8	575.7	577.4	575.9	577.4	578.4	579.4	19	30
5	572.1	577.5	578.5	576.8	578.1	573.6	575.6	577.5	577.	577.8	578.2	580.3	24	30
10	573.6	577.3	579.4	576.	575.2	574.7	575.9	576.8	576.7	578.5	579.	581.2	29	30
15	576.	577.3	581.3	575.4	573.	575.5	575.4	576.1	576.5	578.6	578.9	580.4	34	30
20	577.7	576.9	584.	576.5	577.4	575.7	576.	575.8	577.	578.5	578.2	579.6	39	30
25	579.7	576.8	583.9	576.	579.5	575.3	576.1	575.4	577.	578.4	578.6	579.3	44	30
30	579.2	577.	581.2	575.1	581.6	574.8	575.6	576.2	577.3	577.5	579.2	580.	49	30
35	579.3	578.	579.3	576.	581.7	574.9	576.	575.6	577.1	578.2	579.8	580.5	54	30
40	579.2	578.1	578.4	579 3	580.	574.6	575.9	575.2	576.9	578.3	581.1	580.9	59	30
45	579.2	577.8	579.1	580.8	576.4	575.	576.9	574.1	577.1	578.6	578.2	580.7	4	30
50	580.1	578.1	577.9	579.9	573.2	575.3	576.7	574.2	576.3	578.	579.4	580.7	9	30
55	580.1	579.	577.7	578.5	572.8	575.8	577.1	574.9	577.	578.6	579.	581.1	14	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
0	581.	583.3	584.7	581.7	576.2	574.7	568.4	567.9	569.7	570.	571.5	573.	19	30
5	581.2	582.9	585.2	580.7	577.3	573.9	569.	568.1	569.2	570.1	571.5	573.1	24	30
10	581.5	583.9	584.3	580.4	577.6	572.9	568.9	568.6	569.3	570.4	571.5	573.5	29	30
15	581.2	583.4	585.6	580.9	577.3	572.6	569.	568.3	569.2	570.3	571.5	573.6	34	30
20	581.7	582.3	585.4	580.2	576.4	573.	569.	570.	569.1	570.9	571.7	573.8	39	30
25	581.7	582.6	585.	580 4	576.2	573.5	568.6	570.1	569.3	570.4	572.	574.	44	30
30	581.3	583.7	584.9	580.5	575.6	571.9	568.4	570.	570.1	570.6	572.6	574.2	49	30
35	582.3	583.5	585.1	580.4	575.2	.....	568.1	570.	569.9	570.4	573.3	574.1	54	30
40	582.2	583.	584.8	579.4	574.	.....	567.3	569.7	569.8	570.7	573.2	574.5	59	30
45	581.5	584.6	584.	577.6	573.9	.....	567.7	569.6	569.2	571.	573.1	575.	4	30
50	581.8	584.6	583.9	579.	574.3	569.1	567.8	569.7	569.3	571.1	572.9	575.	9	30
55	582.7	584.8	583.4	577.5	574.8	568.7	568.1	569.8	569.4	571.3	572.9	575.	14	30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
2 30	1268.	1268.1	1273.1	1275.	1280.5	1263.	1260.8	1265.	1254.4	1258.8	1260.5	1254.	22
12 30	1264.	1272.3	1284.1	1281.1	1279.1	1267.1	1264.	1266.7	1255.8	1259.	1259.5	1252.8	32
22 30	1263.5	1267.9	1267.5	1275.6	1276.7	*1270.1	1264.9	1262.1	1252.	1262.	1257.2	1251.8	42
32 30	1261.5	1272.1	1266.4	1288.4	1266.5	1271.4	1267.3	1257.	1254.	1263.	1255.8	1251.7	52
42 30	1264.5	1261.	1274.3	1286.1	1249.2	1274.2	1268.6	1256.4	1256.	1264.	1251.	1252.	2
52 30	1263.2	1257.8	1278.	1282.4	1259.4	1266.9	1266.1	1257.3	1257.1	1260.7	1251.8	1250.4	12
Thermometer	75.3	76.5	76.2	76.2	76.	75.	74.5	74.	73.5	73.2	72.2	72.3	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
2 30	1250.6	1244.6	1247.7	1271.1	1271.1	1281.4	1272.8	1254.7	1247.4	1249.3	1242.9	1249.1	22
12 30	1254.1	1245.3	1246.5	1272.4	1278.4	1279.3	1269.4	1254.7	1247.5	1246.7	1243.7	1249.3	32
22 30	1249.3	1245.4	1251.6	1272.	1276.	1280.2	1268.7	1250.2	1245.9	1243.7	1249.	1253.3	42
32 30	1247.6	1244.9	1254.1	1272.8	1272.9	1281.7	1262.1	1248.7	1241.	1240.	1247.	1252.8	52
42 30	1247.5	1243.9	1256.7	1268.	1275.2	1276.6	1254.7	1248.3	1242.3	1244.1	1247.1	1254.9	2
52 30	1247.3	1245.	1264.9	1267.	1282.	1274.4	1256.9	1248.	1245.8	1244.4	1249.1	1246.5	12
Thermometer	71.7	71.7	71.3	71.	70.9	71.3	72.1	73.	73.6	74.3	74.5	75.5	Thermometer.

* One minute late.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
7 30	643.8	659.9	665.9	671.9	672.6	671.6	663.2	658.7	655.2	648.6	641.	634.8	27
17 30	646.5	661.5	667.	674.	673.	669.8	662.4	657.8	653.5	647.4	641.	636.9	37
27 30	649.2	662.6	667.7	673.	673.2	667.5	661.3	657.1	653.1	646.5	639.2	632.7	47
37 30	651.4	663.3	669.4	673.9	672.6	666.4	660.3	656.7	652.5	645.4	638.2	631.5	57
47 30	653.7	663.7	671.	673.6	672.6	665.6	659.7	655.7	650.9	644.4	636.5	630.3	7
57 30	656.8	665.2	672.6	673.1	.....	664.2	659.	655.	650.2	642.9	636.7	629.2	17
Thermometer	75.6	76.	76.	75.1	75.1	74.3	74.	73.7	74.	74.	72.8	73.	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
7 30	628.4	623.7	620.2	617.3	617.4	620.7	630.	636.4	644.5	654.1	649.	671.4	27
17 30	628.	622.6	620.4	617.8	617.3	622.2	631.6	637.7	647.6	655.9	654.8	672.6	37
27 30	627.2	622.5	619.4	616.9	617.3	624.2	633.1	638.6	647.	656.3	663.7	673.5	47
37 30	625.9	621.5	619.4	617.6	618.3	625.3	633.3	639.7	650.2	656.6	665.6	675.2	57
47 30	624.6	620.9	618.7	617.7	618.9	626.9	634.	641.2	653.6	657.9	667.8	676.2	7
57 30	624.5	620.7	618.1	617.7	620.2	628.7	635.5	642.4	654.	655.1	670.1	677.1	17
Thermometer	72.4	72.	72.	71.	71.6	72.	72.8	73.3	74.	75.	75.1	75.6	Thermometer.

* See general notes to the ordinary observations.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
0	557.	558.9	571.2	569.7	566.3	571.2	573.1	574.4	577.5	565.	551.1	560.8	19	30
5	558.1	559.5	574.1	569.4	566.1	572.7	574.3	574.1	578.8	563.2	551.5	561.2	24	30
10	558.6	559.9	575.4	568.8	566.5	573.4	573.3	571.5	577.7	562.4	551.7	560.7	29	30
15	560.9	561.1	574.4	569.	566.	574.4	574.	570.2	575.1	563.2	553.7	560.3	34	30
20	561.4	563.2	573.4	569.9	566.4	574.2	579.5	571.3	574.7	563.5	554.8	560.	39	30
25	560.5	565.1	574.	569.5	566.1	574.4	580.5	570.8	574.3	565.	554.	560.3	44	30
30	560.8	564.7	574.	568.8	566.4	572.8	581.5	570.7	575.	564.5	553.7	561.7	49	30
35	562.2	565.	573.9	568.	567.6	572.	581.1	570.5	573.	565.	555.2	562.9	54	30
40	563.5	566.	573.1	566.9	567.9	572.4	581.1	571.8	569.9	562.1	556.7	562.6	59	30
45	562.1	567.4	571.1	566.	568.	571.3	578.9	573.	567.8	558.5	557.1	564.7	4	30
50	560.6	568.4	569.7	565.9	568.4	571.8	576.7	575.6	*566.3	554.7	559.4	566.3	9	30
55	559.5	569.6	570.	565.6	569.4	572.7	575.3	575.8	566.1	552.3	561.8	568.2	14	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
0	568.8	564.1	569.6	580.6	580.	578.7	569.8	561.5	560.4	558.9	557.5	560.7	19	30
5	569.9	562.6	571.6	580.7	579.6	576.	567.7	562.8	559.5	557.4	557.5	560.3	24	30
10	570.	560.5	572.	580.5	579.5	577.	565.9	561.9	559.	558.3	557.2	560.3	29	30
15	569.7	559.8	572.5	581.	579.9	576.5	564.8	560.	559.4	558.9	557.5	560.5	34	30
20	570.1	560.8	573.6	580.5	580.4	574.3	563.5	560.3	559.8	558.5	558.	560.8	39	30
25	568.8	561.8	574.1	581.3	580.	574.	565.6	562.7	559.4	558.	558.3	560.9	44	30
30	566.9	567.8	574.1	581.6	578.5	573.2	565.1	561.3	560.7	556.2	558.7	561.	49	30
35	567.6	568.6	575.7	581.	577.3	571.6	563.7	561.2	560.5	558.1	558.8	561.5	54	30
40	568.	568.6	576.8	582.7	576.5	571.3	563.	560.1	560.5	557.5	560.4	561.5	59	30
45	566.	567.4	579.5	580.3	576.1	568.7	561.7	560.5	560.4	557.1	560.	561.3	4	30
50	566.5	568.1	581.	580.1	577.	570.2	561.5	560.4	560.	557.3	559.8	561.7	9	30
55	565.	569.2	580.9	579.7	579.	570.	562.9	561.	559.4	558.3	560.2	561.8	14	30

* Recorded 576.3.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
2 30	413.5	416.3	439.7	444.7	444.	445.2	427.9	425.1	437.1	416.8	414.7	413.3	22
12 30	416.	424.2	424.1	448.3	443.4	445.7	431.9	429.5	436.3	414.7	414.3	412.9	32
22 30	409.	406.9	422.8	439.7	445.2	439.2	412.5	429.3	436.1	413.4	409.8	414.9	42
32 30	405.8	417.1	420.	433.2	438.6	433.3	402.2	431.4	411.4	412.1	410.1	413.3	52
42 30	396.4	418.7	432.9	440.	440.6	435.2	409.7	428.	420.	411.3	411.9	412.5	2
52 30	404.4	427.2	439.5	442.9	441.3	436.1	414.	429.3	412.4	411.7	412.	413.6	12
Thermometer	80.2	81.7	81.6	81.5	80.7	80.	79.6	79.	78.3	78.	77.8	76.8	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
2 30	413.3	435.	407.6	401.7	416.3	439.5	457.3	451.2	445.1	436.6	438.3	439.4	22
12 30	409.3	441.3	405.7	404.	426.7	441.4	467.1	447.2	450.1	442.6	439.	440.5	32
22 30	410.1	432.5	405.2	412.1	426.	449.2	468.2	†447.9	442.8	435.6	432.9	440.5	42
32 30	412.5	417.5	406.7	410.3	424.3	449.8	458.7	452.	443.3	437.	437.8	440.1	52
42 30	419.1	413.7	406.	404.9	432.	447.2	459.5	450.1	431.6	438.7	444.	436.1	2
52 30	426.9	412.1	408.7	414.7	437.	451.6	461.3	446.2	434.8	435.5	440.	435.	12
Thermometer	76.5	76.	76.3	76.6	77.	.....	79.	80.	81.1	82.3	83.6	85.	Thermometer.

* See general notes to the ordinary observations.

† One minute late.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
7 30	773.8	797.5	813.5	818.8	816.3	811.8	807.6	809.6	805.7	801.5	801.	789.8	27
17 30	776.7	800.8	815.	819.	815.2	811.3	808.6	807.3	804.5	800.9	800.8	786.7	37
27 30	780.8	803.1	816.4	818.1	814.5	810.8	811.7	806.	804.4	799.9	798.9	784.4	47
37 30	784.1	805.4	816.4	817.8	813.5	810.2	813.9	805.1	805.6	799.7	797.	782.9	57
47 30	787.8	807.7	817.4	817.7	812.9	808.7	813.2	806.1	804.	797.9	794.6	780.5	7
57 30	792.	810.7	818.6	817.1	812.4	807.8	811.7	807.	803.3	799.5	793.2	779.2	17
Thermometer	79.3	81.	81.	80.6	79.9	79.5	79.	78.8	78.2	78.1	77.9	77.1	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
7 30	777.6	770.3	770.1	770.	773.1	778.	784.2	801.7	818.3	834.1	847.	860.1	27
17 30	776.	769.4	770.3	770.	774.9	778.2	787.	805.	822.4	836.5	849.	862.1	37
27 30	774.4	769.5	770.1	770.	775.	779.4	790.5	807.7	825.1	838.5	851.	864.	47
37 30	774.6	767.8	770.6	771.	775.5	780.7	792.8	810.4	827.9	840.	853.4	867.	57
47 30	772.5	768.	771.	771.8	777.1	781.2	796.	813.4	829.9	842.3	855.7	868.1	7
57 30	771.8	769.6	770.	772.7	777.6	783.	799.	815.4	831.9	844.8	857.9	869.9	17
Thermometer	76.9	76.6	76.4	76.8	77.	77.8	78.5	80.	81.	82.2	83.	84.	Thermometer.

* See general notes to the ordinary observations.

MAGNETIC OBSERVATORY

AT THE

GIRARD COLLEGE, PHILADELPHIA.

TERM DAY MAGNETIC OBSERVATIONS,

FROM JULY TO DECEMBER, 1841.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time. m.	s.
m.														
0	567.7	568.3	568.3	568.9	570.5	583.7	586.8	590.2	576.5	572.6	581.7	566.3	19	30
5	567.5	568.3	568.5	569.2	570.5	582.7	583.8	591.1	572.7	562.2	580.	561.3	24	30
10	567.7	567.9	568.5	568.3	570.	586.8	582.	594.2	575.8	554.7	578.1	557.1	29	30
15	568.	567.7	568.5	568.	571.9	593.7	582.	594.2	579.3	554.	579.2	554.5	34	30
20	567.5	567.4	568.3	567.7	570.1	603.9	583.8	592.8	581.6	556.9	578.9	559.8	39	30
25	568.1	568.	568.4	567.8	579.1	605.4	586.	592.	584.8	560.5	578.8	563.5	44	30
30	568.	568.1	568.4	568.	586.3	603.4	588.2	580.9	587.1	564.7	579.5	565.2	49	30
35	568.2	568.3	568.	567.7	586.	595.9	589.	569.	586.9	565.8	580.9	569.4	54	30
40	568.1	568.4	568.9	568.5	583.5	593.3	588.8	564.4	587.4	570.6	579.7	570.7	59	30
45	569.1	568.	568.1	570.2	580.9	592.	589.9	559.	587.6	576.8	575.5	570.7	4	30
50	568.8	568.5	569.4	569.9	579.	592.5	588.6	557.2	585.	580.	574.5	571.9	9	30
55	568.2	568.9	568.8	569.7	584.1	590 5	587.7	559.3	581.8	581.3	573.7	571.	14	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time. m.	s.
m.														
0	573.2	579.9	583.2	585.	581.7	580.	575.7	569.1	564.3	562.9	564.4	563.6	19	30
5	571.2	579.1	582.9	585.	582.6	577.6	574.5	569.2	565.3	563.9	564.4	564.2	24	30
10	570.4	579.8	583.4	584.2	582.2	576 6	574.1	568.3	564.8	564.4	564.5	564.5	29	30
15	571.1	579.5	583.4	583.8	582.7	576.	573.	568.1	564.4	564.5	561.3	564.8	34	30
20	572.6	581.3	582.9	583.8	583.	576.9	572.6	567.9	564.4	564.6	564.6	565.6	39	30
25	574.5	581.1	583.7	584.	583.	577.	572.5	568.1	564.8	565.1	564.8	565.	44	30
30	575.4	581.1	583.7	581.2	583.	576.8	572.1	567.2	563.9	564.3	564.8	565.6	49	30
35	576.3	581.1	583.9	583.7	582.3	575.5	571.8	565.7	563.9	564.	564.5	565.6	54	30
40	576.6	581.2	584.	583.6	581.	574.1	571.5	564.5	563.8	564.3	564.9	565.5	59	30
45	577.9	582.2	585.	582 8	581.	576.	570.	564.5	563.2	564.5	564.3	565.6	4	30
50	578.0	580.6	584.5	582.6	581.	576.7	570.3	564.6	563.2	564.4	564.2	565.1	9	30
55	578.4	583.1	584.4	582.3	580.7	575.8	569.9	565.	563.	564.5	564.7	566.1	14	30

Göttingen time....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
2 30.....	460.7	476.7	484.1	481.8	479.3	461.	467.6	492.9	500.	500.5	467.4	491.5	22
12 30.....	463.9	478.7	483.3	484.7	474.5	470.6	482.8	493.9	500.6	500.7	466.5	487.5	32
22 30.....	457.5	477.	482.	481.8	478.8	467.9	487.9	509.2	486.5	484.5	466.1	472.4	42
32 30.....	460.1	481.9	484.3	479.5	480.3	458.8	489.	525.5	500.5	478.6	466.3	462.	52
42 30.....	463.8	481.	484.3	483.2	480.9	454.2	487.9	512.	485.3	483.5	475.8	452.8	 2
52 30.....	473.3	485.2	481.5	483.	467.9	452.3	488.8	501.3	490.4	471.8	486.2	456.2	12
Thermometer.....	81.5	82.3	84.	81.6	80.2	79.2	73.	77.2	76.2	75.3	75.4	75.1	..Thermometer.

Göttingen time....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													
2 30.....	460.4	464.9	469.9	486.	495.3	503.5	497.8	499.2	489.7	479.4	464.7	467.6	22
12 30.....	468.1	461.	472.4	484.7	496.1	503.	500.	498.1	480.	473.2	464.3	468.3	32
22 30.....	466.3	462.8	474.	485.7	498.4	501.8	499.	490.6	480.	472.4	461.6	467.	42
32 30.....	466.3	464.5	475.6	489.	504.	505.3	499.3	491.2	478.2	472.3	460.3	474.1	52
42 30.....	467.8	466.4	479.1	493.	504.4	505.2	501.	493.3	479.4	466.7	462.3	479.5	 2
52 .30.....	466.9	468.7	483.	494.2	505.1	497.6	499.3	493.4	477.5	466.6	468.3	479.3	12
Thermometer.....	75.	74.4	74.4	74.8	76.3	77.5	79.	80.2	81.3	82.6	83.3	85.	..Thermometer.

Göttingen time....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
7 30.....	858.	867.6	875.6	874.4	863.7	859.	854.2	843.6	831.5	821.5	809.7	803.3	27
17 30.....	859.4	869.3	876.7	873 5	862.	859.8	851.6	841.6	832.6	820.4	808.5	804.9	37
27 30.....	860.5	870.6	877.1	871.8	861.	860.5	850.5	839.4	830.	821.8	806.9	807.9	47
37 30.....	861.8	872.	877.1	870 6	859.9	857.4	846 8	837.	827.9	821.3	806 6	806.5	57
47 30.....	863.7	873.7	876.5	867.7	857.1	856.7	845.	836.6	826.2	818 5	805.3	803.3	 7
57 30.....	866.	874.9	875.8	866.2	858.2	857.	844.1	835.4	823.3	813.	804.9	801.8	17
Thermometer.....	81.5	82.	81.9	81.	80.	78.9	78.1	82 2	77.	.....	76.	75.9	..Thermometer.

Göttingen time....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
7 30.....	797.2	780.3	776.9	777.9	785.5	796.	811.2	826.2	844.8	860.5	892.2	902.2	27
17 30.....	796.1	779.6	776.5	779.1	786 5	798.6	813.6	828.8	846.2	855.4	884.6	894.4	37
27 30.....	790.9	778.1	776.5	780.5	788.3	802.	816.3	831.1	848.9	857.9	886.5	894.7	47
37 30.....	787.4	777.8	776.4	782.	790.	803.7	819.1	833.6	851.6	871.1	888.5	899.6	57
47 30.....	784.5	777.1	776.3	783.1	792.1	807.2	821.9	837.8	853.9	872.2	888.4	902.9	 7
57 30.....	782.6	777.2	777.	784.2	794.	809.	823.7	841.5	857.2	880.	877.	905.3	17
Thermometer.....	76.	75.2	75.2	75.6	76.5	77.6	78.8	80.	81.	82.3	84.	84.	..Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time	m.	s.
m.															
0	564.9	560.	565.6	584.6	571.	567.3	567.4	563.8	559.	572.2	569.4	571.7		19	30
5	564.8	560.3	565.1	600.	570.4	566.	569.	563.7	557.8	573.	570.	570.1		24	30
10	565.	561.	566.	596.3	569.	563.8	569.4	562.6	555.	572.	569.9	569.		29	30
15	564.5	561.8	566.1	609.1	568.1	564.	570.1	562.8	518.3	572.7	570.	569.4		34	30
20	564.	563.1	566.2	603.1	566.2	563.5	569.	567.2	545.4	575.	571.	570.7		39	30
25	563.9	563.8	566.6	595.2	563.	565.7	568.2	579.3	517.8	577.2	571.9	571.9		44	30
30	562.8	565.5	565.7	588.2	563.1	565.6	567.4	579.8	551.	577.9	571.9	573.1		49	30
35	561.6	567.1	565.1	584.1	564.	564.8	567.5	574.7	556.3	576.8	571.6	574.1		54	30
40	560.1	566.5	565.	582.	566.	565.3	567.1	568.8	560.1	574.8	572.8	576.1		59	30
45	558.8	566.9	563.8	577.1	567.	566.	566.	563.2	562.5	572.3	572.1	576.2		4	30
50	552.	567.	560.8	573.3	567.6	566.	566.5	562.	565.	570.	572.7	574.5		9	30
55	558.	566.1	564.4	572.	568.2	566.9	564.6	560.	569.3	568.2	572.1	574.2		14	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time	m.	s.
m.															
0	572.9	550.	569.5	592.7	588.6	582.4	575.	566.9	560.	552.7	561.	560.		19	30
5	572.	549.	571.4	593.1	589.	582.5	573.3	566.	559.4	552.1	561.9	562.		24	30
10	571.2	548.7	575.8	592.	588.7	581.6	572.4	565.3	559.2	553.8	561.4	564.		29	30
15	570.9	548.4	581.7	591.9	589.3	581.2	571.	564.8	561.	555.2	561.	565.2		34	30
20	570.2	548.1	585.4	591.3	589.1	581.1	569.	564.1	560.9	557.	560.	565.8		39	30
25	569.7	547.9	585.2	590.	589.1	581.3	568.	563.2	559.1	557.6	559.	565.9		44	30
30	567.	550.4	582.7	592.3	589.6	580.	568.	562.9	558.	558.2	557.9	565.5		49	30
35	566.1	551.7	587.2	593.4	588.	576.8	568.1	563.	557.4	556.4	558.7	564.7		54	30
40	563.3	552.4	590.3	592.3	585.4	575.	568.8	562.9	556.2	555.3	559.9	563.9		59	30
45	560.	558.5	591.	589.8	583.3	573.6	569.	562.1	555.	556.9	561.7	564.		4	30
50	556.3	561.5	588.6	587.8	583.7	574.6	568.3	562.	554.	557.4	561.	565.		9	30
55	552.5	564.2	590.2	588.7	583.1	575.	567.2	561.1	554.	559.1	560.4	565.3		14	30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
2 30	496.8	550.3	518.1	588.9	505.4	519.	514.9	525.4	516.3	523.1	522.2	520.4	22
12 30	499 3	541.3	523.	515.8	510.8	522.4	515.1	524.4	524.5	520.9	520.6	516.5	32
22 30	507.7	540.	518.3	486.7	517.	520.2	.....	499.6	514.2	530.3	518.6	515.7	42
32 30	512.4	534.5	524.6	492.	524.2	511.3	524.1	466.9	517.6	527.4	520.3	517.5	52
42 30	518.6	531.3	545.9	490.7	525.7	509.7	523.6	476.	526.5	527.7	514.7	526.4	2
52 30	548.9	528.3	578.5	505.3	525.2	512.	516.4	496.2	531.2	522.2	513.4	526.8	12
Thermometer	74.9	76.	76.	76.	76.	76.	76.	76.	76.	75.9	76.3	76.1	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
2 30	521.8	579.5	512.6	516.4	553.3	569.1	564.3	557.8	563.6	559.1	516.5	528.7	22
12 30	522.1	571.7	508.5	514.	554.8	569.7	555.6	561.2	554.9	548.2	516.5	519.3	32
22 30	526.5	556.3	500.	522.3	550.2	565.4	549.4	559.	551.3	554.4	523.7	513 9	42
32 30	535.	539.2	511.8	526.7	553.8	554.7	557.3	560.	561.	525.7	531.4	516.7	52
42 30	545.7	518.1	500.	522.1	555.9	560.6	561.	561.7	568.6	529.1	522.6	519.6	2
52 30	568.2	508.8	516.1	531.8	573.5	570.	555.3	559.6	572.	530.4	553.5	523.	12
Thermometer	76.1	76.2	76.3	75.6	75.4	75.8	75.8	76.	76.7	77.2	77.1	77.	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
7 30	732.4	741.9	753.	751.6	763.1	762.5	767.5	770.	794.	792.	788.1	783.	27
17 30	733.1	744.9	753.	759.3	763.2	762.1	767.4	774.	795.2	793.7	787.8	783.3	37
27 30	734.2	747.5	753.	761.3	763.	763.5	766.9	783.9	801.	795.	786.9	783.6	47
37 30	735.5	749.	752.7	761.7	763.5	764.9	766.8	791.	800.1	792.9	787.3	783.1	57
47 30	736.9	751.1	750.1	763.7	762.9	765.8	767.7	794.	796.9	789.3	787.2	779.5	7
57 30	739.6	752.6	748.4	763.	762.6	766.7	768.4	794.5	793.	787.9	785.	778.7	17
Thermometer	74.8	75.8	75.8	75.8	75.8	76.	76.	76.	76.	76.	76.4	76.2	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
7 30	778.	781.	786.6	779.	780.	780.6	778.	779.	779.4	782.9	782.	782.8	27
17 30	778.2	782.3	785.2	778.5	780.	781.	776.8	778.8	779.4	783.3	780.	782.8	37
27 30	778.	783.	781.7	780.	781.	780.1	776.8	778.6	779.7	782.8	782.9	782.	47
37 30	779.	783.3	781.9	780.2	780.1	778.1	778.1	779.6	780.1	782.7	783.9	783.	57
47 30	780.	785.8	780.	780.	780.1	778.4	779.	779.2	781.3	783.	783.	784.4	7
57 30	780.8	787.	780.	779.7	781.	778.8	778.7	779.	782.3	783.1	783.5	785.2	17
Thermometer	76.2	76.1	76.	75.8	75.9	76.	76.	76.1	76.8	77.	77.	77.	Thermometer.

Göttingen time..	h. ...22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3....	..Observatory time.	
m.													m.	s.
0	570.	562.	562 4	562.8	564.1	565.	566.2	565.5	569.6	567.2	569.	568.5	19	30
5	569.7	562.	562.4	562 8	564.8	565.	566.	567.2	569.7	567.4	569.	569.1	24	30
10	569.	561.8	562.2	563.	564.9	565.1	565.6	567.6	568.7	568.5	568.9	568.3	29	30
15	568.	562.	562.4	563.	564.3	564 4	565.5	567.1	568.	569.2	569.3	567.6	34	30
20	567.5	562.	562.7	563.1	564.3	563.2	561.8	566.8	567.3	569.1	569.4	566.7	39	30
25	565.8	562.2	563.1	564.3	564.3	564.3	564 8	566.9	567.5	569.6	569.2	567.	44	30
30	564.1	561.7	563.3	563.9	565.	565.1	564.5	566.9	568.	568.8	569.4	567.1	49	30
35	562.7	562.	563.4	563 3	565.	564.4	564.7	567.3	568.6	569.	569.5	566.9	54	30
40	562 4	562.	563.	563.	564.1	564.7	565.2	567.5	569.4	569.8	569.1	565.6	59	30
45	562.1	562.7	563.	563.	564.2	564.4	565.8	568.4	568.	569.6	569.	566.5	4	30
50	561.8	562.3	563.1	563.2	564.9	564.4	566.	568 2	566.9	568.9	568.7	567.2	9	30
55	561.7	562.9	562.8	564.	565.	565 3	565.6	569.3	566 2	569.1	568.5	567.3	14	30

Göttingen time..	h. ...10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15....	..Observatory time.	
m.													m.	s.
0	566.8	566.8	569.	570.4	570.	570.3	565.2	563.4	561.4	557.1	557.9	558.3	19	30
5	566.5	566 7	568.9	570.4	570.3	569.2	565.3	563 1	561.1	557.	558.	559.	24	30
10	566.1	566.2	569.2	570.	570.4	567.5	564.6	563.1	561.4	557.3	557.6	558.4	29	30
15	566.9	567.6	569.9	570.6	570.	569.1	564.	563.5	561.4	557.1	557.6	558.9	34	30
20	567.6	567.	569.6	571.	570.	569.	564.4	563.	560.5	557.	557.9	558.7	39	30
25	569.1	566.6	569.4	571.	569.1	569.7	564.	562.7	558.9	557.4	557.8	558.6	44	30
30	569.5	567.5	568.2	570 7	569.7	569.1	564.	562.4	558.1	557.4	557.4	558.6	49	30
35	569.4	566.6	570.6	570.5	569.9	568.8	564.	563.	557.9	557.3	557.7	558.8	54	30
40	567.6	567.1	569.1	570.5	569.9	569.	564.1	563.	557.6	557.3	558.	558.8	59	30
45	568.1	567.7	569.7	570.9	570.8	568 1	563.4	562.2	557.5	557.6	558.4	558.6	4	30
50	568.7	567.5	570.	570.4	571.	566.6	563.2	562.1	557.	557.1	557.8	558.9	9	30
55	567.5	568.2	570.6	570.1	570.9	565.2	563.6	561.8	557.1	557.5	558.	558.5	14	30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
2 30	529.9	522.2	512.2	516.2	511.3	512.	514.4	521.8	519.3	524.7	516.5	512.2	22
12 30	525.3	518.	513.4	517.1	513.5	512.5	521.1	519.1	516.2	523.9	515.8	509.1	32
22 30	530.7	516.6	513 3	513.9	513.1	518.3	521.7	517.	517.4	524.1	515.1	511.2	42
32 30	526.5	518.3	510.6	512.4	513.2	515.6	521.6	513.4	521.8	524.6	516.9	509.6	52
42 30	530.7	513.1	512.6	514.	513.9	516.1	520 8	517.	519.2	524.7	513.8	517.0	2
52 30	525.2	510.2	514.2	518.1	511.9	516.2	518.7	523.	522.4	516.1	.....	515.4	12
Thermometer	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.1	66.8	66.8	66.5	66.4	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
2 30	510.	512.4	506 8	506.7	514.3	527 4	528.	522.6	523.	532.3	513.3	517.7	22
12 30	507.5	511.4	508 3	508.4	515.7	528.1	526.3	521.6	510.8	520.9	515.6	510.2	32
22 30	505.3	509.9	506.3	510.	518.	528.2	525.1	521.	516.2	520 5	513.5	513.	42
32 30	510.8	507.8	509.	510.2	520.4	528.1	524.8	525.6	532.4	527.3	513.2	512.8	52
42 30	511.9	508.9	507 2	510.5	524.	530.	524.6	521.	537.4	522.3	514.7	511.3	2
52 30	514.6	507.5	504.6	512.3	526.6	530.	526.8	524.	534.4	521.4	515.8	508.7	12
Thermometer	66.	65.	65.5	65.7	66.2	67.	67.1	67.5	68.	68.	68.	68.	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
7 30	635.2	636.	635.7	637.9	640.	640.3	640.5	639.5	638.3	636.7	634.1	632.9	27
17 30	635.1	636.	636.2	635.4	640.	641.6	640.	639.1	638.5	636.9	635.	633.	37
27 30	635.	635.8	636.	638.2	639.9	641.6	639 8	639.5	638.5	636 1	635.	632.9	47
37 30	635.7	636.	636.8	638.2	640.1	641.6	639.8	639.4	638.	636.1	634.2	631.9	57
47 30	636.2	635.9	637.	.....	640 3	641.	639.7	639.	637.5	635.	633.2	632.1	7
57 30	636.1	636.1	637.2	639.4	640.6	640.8	639.2	638.7	637.1	634.8	633.5	631.5	17
Thermometer	68.	68.	68.	68.	68.	68.	68.	67.6	67.4	67.2	67.	66.8	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
7 30	630.	627.5	628.	627.4	625.3	632.	639.8	646.	651.5	656.8	659.	659.1	27
17 30	631.4	627.4	628.	627.2	625.4	633.1	641.	647.	652.1	656 9	659.6	660.	37
27 30	631.5	628.8	627.7	626.	625.9	635.	642.	647.6	652.9	657.3	659.9	660.	47
37 30	631.	628.3	628.	625.4	627.5	636.6	643.	648.6	654.8	657.7	660.	659.7	57
47 30	630.3	628.5	627.6	625.2	629.	637.3	644.1	649.3	655.9	658.1	660.	659.2	7
57 30	628.5	628.3	627.6	625.1	630.1	638.2	645.1	650.7	656.1	659.	659.	659.4	17
Thermometer	66.8	66.7	66.5	66.4	66.8	67.3	68.	68.	68.5	68.9	69.	69.	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time	
m.													m.	s.
0	566.3	568.4	560.6	560.2	564.2	595.	575.	570.4	576.5	583.1	576.7	573.2	19	30
5	.....	567.4	562.9	560.5	566.	587.8	573.8	571.	575.4	585.9	575.4	573.5	24	30
10	.....	565.3	563.1	560.8	566.3	581.2	573.6	576.	575.	585.	572.9	572.5	29	30
15	.....	561.7	563.	560.5	565.7	575.4	574.7	572.4	575.1	580.5	570.6	573.1	34	30
20	.....	562.	563.7	561.1	566.2	570.3	573.4	572.6	576.2	575.7	570.8	572.3	39	30
25	.....	561.5	564.9	562.	568.2	568.3	571.	574.1	582.3	571.6	570.	572.8	44	30
30	.....	560.5	565.5	562.9	573.8	566.4	569.3	574.9	588.2	568.9	569.5	575.	49	30
35	.....	559.2	564.6	563.1	585.	566.3	568.2	577.1	589.9	569.9	569.9	574.1	54	30
40	.....	558.7	563.5	563.8	599.1	569.6	568.9	577.9	595.5	570.9	569.6	570.1	59	30
45	.....	558.	563.2	565.	609.5	572.	569.2	578.	598.3	575.1	571.4	566.	4	30
50	569.3	558.4	561.3	564.	607.8	573.6	569.2	575.5	593.6	579.6	574.3	563.7	9	30
55	568.9	558.4	560.6	564.2	603.5	575.4	571.7	576.1	585.3	578.9	573.6	562.4	14	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time	
m.													m.	s.
0	558.1	562.2	565.6	570.5	552.7	563.5	564.5	572.8	574.5	574.2	572.7	577.	19	30
5	556.1	565.2	562.7	570.5	553.6	564.2	564.	573.	574.5	573.9	573.6	577.6	24	30
10	556.8	565.9	565.1	566.7	553.4	566.1	564.	574.	572.8	574.1	573.7	576.4	29	30
15	558.2	566.8	565.9	563.5	553.1	565.7	564.5	573.3	573.1	574.4	576.5	576.4	34	30
20	560.2	565.8	565.3	561.1	554.	565.4	566.9	573.3	572.8	573.8	578.4	575.7	39	30
25	558.1	566.2	567.	559.	553.	564.8	571.2	572.3	573.5	574.4	578.9	575.5	44	30
30	558.7	568.2	567.8	558.6	555.6	564.3	573.4	572.	574.	574.8	578.	576.	49	30
35	560.2	568.6	568.6	555.4	557.8	562.6	571.8	573.7	573.5	574.6	577.3	575.6	54	30
40	560.6	569.2	570.8	554.	558.4	563.5	574.4	573.8	573.	574.2	578.	575.5	59	30
45	561.8	568.	570.5	553.6	560.9	562.5	575.5	574.8	571.9	574.7	578.9	576.	4	30
50	561.8	566.8	571.2	553.7	561.6	562.2	574.	574.5	572.3	573.1	578.6	575.6	9	30
55	561.7	564.8	571.4	553.5	563.2	562.7	573.	575.	574.3	572.6	578.	575.2	14	30

Göttingen time....	h. ...22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 .3...	Observatory time.
m. s.													m.
2 30.....	.....	504.2	533.4	536.7	533 2	472.2	520.8	528.8	558.7	543.	517.2	510.8	22
12 30.....	.....	508.	538.2	538.6	523.3	479.4	531.	531.9	570.7	514.7	517.7	515.8	32
22 30.....	.....	509.	546.7	530.1	531.9	500.1	546.1	533.7	578.9	533.2	515.9	514.4	42
32 30.....	.....	508 3	544.	531.1	552.7	514 2	540.	537.5	561.3	550.3	521.5	517.6	52
42 30.....	.....	517	541.6	532.7	536.6	522.0	533.2	543 2	527.5	549.	511.9	516.3	2
52 30.....	502.3	520.9	542.	537.	499 3	526.9	519.	549.9	522.8	525.	515.8	523.2	12
Thermometer.....	.....	56.	55.8	55.3	55.	54.9	54.2	53.8	53.5	53.	52.4	52.	.. Thermometer.

Göttingen time....	h. ...10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
2 30.....	523.2	504 3	504.2	527.7	568.1	542.1	538.7	507.	522.1	558.7	540.7	520.5	22
12 30.....	511.1	504.3	519.6	543.8	567.5	538.5	534.6	515.8	524.1	558.7	534.3	525.7	32
22 30.....	514 9	502.	517.5	560.2	560.2	545.6	536.1	518.3	536.	543.2	534.3	526 6	42
32 30.....	514.2	506 2	523.3	562.7	556.3	550.2	518.9	527.9	546.6	541.2	528.7	526.	52
42 30.....	512.4	491.8	523.	574 2	549.4	550.1	512.6	525.7	553.4	548.6	527.1	546.5	2
52 30.....	510.2	501.4	526.1	572.8	544.	541.1	506.6	522.1	564.1	543.8	522.4	523.2	12
Thermometer.....	52.	52.	52.4	52.1	53.	54.	54.3	55.	55.8	56.	56.2	57.	.. Thermometer.

Göttingen time....	h. ...22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
7 30.....	.....	468.8	468.9	465.5	464.2	471.5	465.7	461.7	461.8	447.3	442.9	443.	27
17 30.....	.....	468.6	469.	465.3	465.	472.4	467.1	462.3	465.5	455.8	439.8	434.1	37
27 30.....	.....	468.8	468.6	467.3	466.5	471.1	461 7	463.1	451.2	462.	435 1	436.2	47
37 30.....	.....	470.1	466.6	465.7	461.4	469.2	458.8	461.4	444.4	457.1	434.4	434.6	57
47 30.....	.....	468.6	466.7	464.7	463.6	467.5	457.3	460.1	448.	449.8	436.9	434 9	7
57 30.....	469.1	468.9	465.5	464.3	467.9	466.	460.	459.5	446.	446.	435.8	432.3	17
Thermometer.....	.....	56.	56.	56.	56.	55.8	55.	54.8	54.2	53.7	53.	53.	..Thermometer.

Göttingen time....	h. ...10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
7 30.....	430.8	428.4	429.2	427.9	428.4	436.8	452.2	463.6	471.	472.1	475.7	488.8	27
17 30.....	433.3	430.4	428.6	426.7	429.3	438.6	456	464.5	472.	473.	477.5	490.6	37
27 30.....	431.8	430.5	427 2	427.3	431.2	440.8	458.4	465.5	472.8	474.	480.9	490.8	47
37 30.....	430.	429.7	432.6	426.7	432.	442.8	458.8	466.8	473.	474 5	483.8	492.5	57
47 30.....	430.	431.	425 3	427.6	433.7	445.8	460.8	468.2	473 1	477.2	486.	492.4	7
57 30.....	428.3	431.1	428 9	427.5	435.1	449.4	463.2	469.8	472.7	473.2	487.1	492.	17
Thermometer.....	53.	53.	53.2	53.	53.5	55.	55.3	56.	56.7	57.2	57.9	57.8	..Thermometer.

Gottingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time. m.	s.
m.														
0	558.5	560.1	558.1	559.1	557.2	.....	556.4	550.	547.5	545.	543.1	544.2	19	30
5	559.7	561.	558.	559.1	556.6	561.7	552.	550.5	547.	544.	543.	545.7	24	30
10	559.1	561.	556.8	558.9	556.9	560.	551.6	550.1	546.9	543.2	543.4	546.4	29	30
15	559.4	560.	558.6	559.	557.	560.	551.7	549.4	546.8	542.5	542.8	545.9	34	30
20	560.	560.2	559.2	559.	557.	559.4	550.6	549.1	547.1	512.7	542.8	545.1	39	30
25	559.9	561.8	559.4	559.2	561.	558.	552.	548.9	546.9	543.	543.	544.6	44	30
30	561.	562.2	560.	559.4	565.	557.4	551.9	548.6	547.1	543.	543.9	544.4	49	30
35	561.	563.	559.1	559.5	564.2	557.4	552.1	547.1	547.1	543.1	544.6	544.5	54	30
40	560.7	563.1	559.7	558.2	564.6	557.7	551.6	547.5	546.1	543.1	545.9	545.1	59	30
45	558.4	563.2	559.2	559.1	563.2	557.4	551.9	548.1	545.9	543.5	546.7	544.9	4	30
50	558.9	563.1	560.	559.9	563.1	556.9	551.2	547.8	546.8	543.	545.2	545.	9	30
55	559.2	558.6	559.	559.	563.2	558.8	550.7	545.6	545.8	543.1	544.1	544.	14	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time. m.	s.
m.														
0	545.6	548.	547.3	553.8	549.1	547.1	539.1	536.8	531.4	532.9	531.5	534.9	19	30
5	546.5	547.2	547.	552.1	548.	547.	538.3	536.9	531.1	532.5	531.4	537.2	24	30
10	547.1	547.	546.7	552.	547.1	547.5	538.6	536.5	531.8	532.	532.	538.5	29	30
15	546.8	546.8	550.1	552.5	547.5	546.6	535.5	535.5	532.6	532.3	531.	539.3	34	30
20	547.4	546.1	551.4	552.3	548.3	545.	539.7	535.5	534.3	532.6	531.5	539.	39	30
25	543.5	546.9	552.1	552.	549.	544.5	538.7	535.6	532.6	532.6	534.8	539.2	44	30
30	542.4	546.9	551.5	552.6	548.7	544.1	538.8	535.8	532.4	532.9	536.2	539.7	49	30
35	543.6	547.1	552.3	552.3	549.	543.8	538.2	533.5	533.2	532.8	536.9	540.2	54	30
40	544	547.1	552.3	551.4	548.3	543.7	537.6	532.	534.1	531.9	537.1	540.	59	30
45	546.5	546.3	552.9	551.8	547.5	541.8	537.6	532.4	533.6	531.5	537.4	540.2	4	30
50	547.3	547.1	553.6	552.1	547.	541.7	537.6	531.1	533.6	531.6	537.7	538.1	9	30
55	547.1	546.9	553.1	552.7	546.9	540.8	537.	531.7	533.4	531.2	534.5	540.	14	30

Göttingen time....	h. ...22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
2 30.....	491.3	488.	489.8	493.3	495.9	493.3	494.1	499.3	498.8	500.	496.7	497.3	22
12 30.....	489.3	489.	490.	497.1	497.	493.3	494.	498.7	497.6	499 7	498.	497.7	32
22 30.....	488.	489.1	489.	495.2	498.1	497.	498.2	498.	498.7	500.1	499.3	496.	42
32 30.....	488.9	490.7	490.3	495.3	496.2	500.2	497.7	498.8	501.2	499.6	499.9	495.6	52
42 30.....	487.4	490 5	491.5	496.2	493.1	498.7	498.2	499.8	501.1	499.1	498.9	494.6	 2
52 30.....	489.	488.4	493.4	496.6	.....	497.9	499.	497.5	500.5	498.8	497.9	494.9	12
Thermometer.....	48.2	48.8	49.	49.3	49.8	50.	50.	50.6	50.4	49.9	49.1	48 6	..Thermometer.

Göttingen time....	h. ...10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
2 30.....	493.8	490.3	487.	492.8	490.6	496.9	490.3	500.	491.2	482.9	473.1	477.3	22
12 30.....	493.1	488.1	490.2	492.2	492.	493.	491.4	499.7	488.2	482.3	474.5	477.8	32
22 30.....	490.5	490.2	489.	489.4	491.6	491.7	494.1	495.9	488.9	480.9	476.4	480.4	42
32 30.....	491.9	487.9	488.7	488.6	493.3	490.9	495.8	495.6	488.7	481.2	477.6	483.7	52
42 30.....	490.3	489.	491.5	489.9	493.5	489.5	496.8	492 8	486.2	475.3	480.6	484.1	2
52 30.....	491.4	487.3	493.5	488 9	496.1	490.9	498.1	491.6	487.6	473.2	476.	480.3	12
Thermometer.....	47.7	47.2	46.7	45.6	44.8	44.1	44.	44.	44.1	44.	44.	43.3	..Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
7 30	334.7	338.4	344.5	351.	356.	362.	366.7	371.7	375.1	374.	370.2	364.1	27
17 30	335 1	339.	345 3	351.8	356.7	363.1	367.5	371.8	375.5	373 4	369.3	363.	37
27 30	335.6	339.8	346.7	353.	357.6	364.	368.1	372.8	375.4	372.6	368.6	361.5	47
37 30	336.2	340.8	347.8	353.7	360.3	364.6	369.1	373.5	375.7	372.1	367.	360.2	57
47 30	336.6	341.6	348.8	354.5	360.1	365.1	370.1	374.	375.	371.4	366.3	359.1	7
57 30	337.5	343.1	350.1	355.	361.5	365.5	371.	374.7	374.5	371.1	365.6	357.7	17
Thermometer	48.7	49.	49.1	49.7	50.	50.5	50.5	51.1	50.9	50.5	50.	49.	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
7 30	356.3	347.9	340.1	332.5	321 1	310.8	307.	305.6	304.7	307.2	310.	303.3	27
17 30	355.4	346.4	339.8	330.5	320.1	309.4	307.	305.2	305 3	307.4	309.5	310.2	37
27 30	354.	345.5	338.1	329.3	317.3	309.	307.	305 5	304.6	303 6	305.1	310.6	47
37 30	352.4	343.8	337.1	327.5	315.9	308.2	307.	305.6	305.6	308.5	303.2	310.7	57
47 30	351.2	342.5	335.6	325.7	314.3	308.	306.4	305.	305.6	309.	303.6	310 5	7
57 30	349.1	341.5	334.1	323.8	312.4	306.6	305.9	305.1	306.1	309.1	302.6	308.3	17
Thermometer	48.8	48.	47.8	47.	46.	45.8	45.8	45.9	46.	46.3	47.	46.6	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
0	541.6	544.1	552.3	553.5	551.3	552.6	554.3	557.3	555.5	555.	536.2	561.1	19 30
5	543.9	544.4	552.	552.5	552.	553.1	555.	557.3	555.7	556.5	535.5	562.1	24 30
10	541.2	545.7	552.8	551.8	552.1	553.3	555.8	557.	555.5	557.1	537.	563.7	29 30
15	541.8	543.5	553.3	550 6	552.6	553.9	555.6	556.9	555.5	557.	541.	564.9	34 30
20	542.	544.6	553.2	550.2	553.	553.5	556.	556.6	554.8	556 2	544.8	565.9	39 30
25	542.6	546.3	553.8	551.	553.1	553.6	555.6	556.7	555.1	555.2	548.8	566.3	44 30
30	541.7	547.1	554.2	550.7	553.1	553.2	556.	556.5	554.4	554.3	551.5	566.8	49 30
35	541.5	549.	554.1	549.5	553.3	553.3	5 6.7	556.5	555.3	553.4	554.8	565.8	54 30
40	542.2	550 4	554.1	548.9	553.2	553.6	556.8	556.7	555.8	550.8	556.7	567.	59 30
45	543.	550.6	554.2	549.6	552.9	553.2	557.1	556.3	555.7	547.7	559.6	566.7	4 30
50	543.2	550.5	554.2	550.2	552.5	553.4	556.9	556.1	555.	542.3	560.2	565.5	9 30
55	542.8	551.7	554.5	550.1	552.9	553.9	557.8	556.1	554.6	540.	560.4	561.7	14 30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
0	561.1	560.1	558.2	557.9	559.2	558.7	557.7	555.5	552.	551.4	553.	554.4	19 30
5	559.6	560 9	556.	559.	559.5	559.7	557.	555.2	551.7	551.6	553.2	554.2	24 30
10	559.3	558.6	556.4	559.	560.1	559.	557.4	554.8	552.	551.9	553.3	554.4	29 30
15	557.3	558.5	556.	559.7	560.5	558.6	557.3	553.5	552.1	551.9	553.4	554.1	34 30
20	557.3	557.	556.3	559.9	560.4	558.3	557.	553.	552.	551.5	554.	554.2	39 30
25	558.9	558.	556.4	560.2	560.1	558.1	556.2	553.	552.2	551.5	553.8	554.9	44 30
30	558.	556.8	557.1	560.	561.	556.8	555.7	552.5	552.2	551.6	553.8	555.1	49 30
35	560.4	557.8	557.	560.	560.2	557.5	556.1	552.9	552.2	551.7	554.1	555.6	54 30
40	561.1	558.3	557.8	559.8	559.8	557.	555.8	552.1	551.6	551.6	554.3	555.5	59 30
45	561.1	558.1	557.5	558.5	560.4	558.	556.2	552.2	552.	552.	554.3	555.6	4 30
50	561.6	556.4	557.1	559.3	560.	557.9	555 5	551.7	551.5	552.2	554.6	556.	9 30
55	560.9	.....	557.5	560.	559.4	557.6	555.6	551.7	551.3	552.3	554.5	556.	14 30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
2 30	507.7	506.7	516.3	519.2	518.7	520.6	515.8	525.3	519.7	527.2	510.	511.3	22
12 30	514.1	511.	510.6	517.4	518.5	520.7	520.8	521.1	519.2	532.3	503.2	509.6	32
22 30	508.5	514.5	512.	523.6	517.7	520.9	517.8	520.5	521.2	536.	497.8	507.9	42
32 30	508.7	513.	514.5	518.2	521.6	521.4	525.9	521.6	517.1	539.1	503.5	510.7	52
42 30	509.1	515.4	510.5	520.8	521.2	522.1	523.5	516.2	519.8	530.	510.1	512.7	2
52 30	502.5	516.	511.	521.7	520.9	520.9	522.5	523.8	523.9	521.3	513.5	516.5	12
Thermometer	59.	58.9	57.9	56.7	56.	55.	55.	54.	53.	52.9	52.1	51.2	Thermometer.

Gottingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
2 30	517.8	505.	504.9	522.7	509.8	520.	530.7	545.6	546.	540.5	531.6	529.8	22
12 30	512.3	504.6	506.	520.2	513.2	517.6	528.3	542.2	545.9	539.3	530.2	531.	32
22 30	515.3	501.	508.5	517.9	511.4	518.	534.6	541.6	544.5	541.8	532.	533.2	42
32 30	525.7	510.4	514.3	512.6	514.	521.4	539.	543.3	538.2	540.7	531.8	532.2	52
42 30	.....	509.7	513.8	511.7	513.8	524.	541.2	547.2	540.1	534.8	530.1	530.2	2
52 30	509.3	512.2	520.	510.2	516.1	526.6	543.5	546.8	542.5	537.4	529.7	531.3	12
Thermometer	49.8	49.2	49.8	50.8	51.5	53.	54.7	56.	57.3	59.9	60.	61.	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
7 30	635.2	639.7	632.3	612.2	594.9	581.2	573.6	560.2	540.3	524.6	524.2	512.8	27
17 30	637.3	639.4	629.3	608.1	592.6	579.8	572.3	557.2	537.3	526.2	526.6	508.	37
27 30	638.2	638.4	626.6	605.	589.7	577.7	569.7	553.3	534.9	525.2	525.1	504.3	47
37 30	638.4	638.4	624.6	600.9	587.9	576.3	568.6	550.6	532.8	523.5	524.7	495.9	57
47 30	639.2	636.6	621.3	599.5	585.4	575.	566.	547.5	530.8	522.7	521.4	490.7	7
57 30	639.5	634.9	618.	596.7	583.7	572.9	563.7	543.9	527.3	523.5	516.7	484.5	17
Thermometer	67.	66.	64.	62.3	61.9	61.3	61.	59.1	58.	58.	57.5	55.	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
7 30	479.6	462.	462.5	482.7	497.	519.4	554.	580.	597.6	613.	629.4	645.	27
17 30	474.4	459.4	466.8	484.9	499.3	523.9	560.1	583.2	600.2	615.5	631.8	647.	37
27 30	471.5	459.2	469.4	487.2	502.5	529.8	564.4	586.	602.5	619.3	634.6	650.	47
37 30	469.4	459.7	474.2	490.1	505.6	535.7	558.8	588.7	605.4	621.5	637.5	651.4	57
47 30	466.8	459.1	477.1	492.3	510.	542.2	572.8	591.9	608.	624.2	640.	653.1	7
57 30	464.1	460.6	479.7	493.9	514.	548.2	577.	594.8	610.3	626.6	642.2	654.9	17
Thermometer	53.8	53.7	55.4	57.	57.8	60.	62.5	63.5	64.9	66.	67.	67.4	Thermometer.

MAGNETIC OBSERVATORY

AT THE

GIRARD COLLEGE, PHILADELPHIA.

ORDINARY METEOROLOGICAL OBSERVATIONS,

FROM JANUARY TO JUNE, 1841.

GENERAL NOTES.

The instruments and their position, the times of observation, and the mode of observing, recording and correcting the results, are generally the same as have already been stated in the notes preceding the observations of June, 1840.

In the column for the observed dew point, D. is the temperature of deposition, and A. that of the thermometer attached to the column of the hygrometer.

The register of light rains is imperfect, and that of snows defective.

The changes in the form of recording the observations in the month of June are sufficiently explained by the titles at the head of the several columns. The direction of the wind is registered in degrees, reckoning from the south as zero, round through the west The directions of the motion of the three strata of clouds are noted in the same manner. No. 1 is intended to refer to the lowest stratum, and No. 3 to the highest.

The indications of two different thermometers are registered in the column headed "radiation." One was covered with a flock of cotton, and exposed to the sky at night; the other had a bulb of black glass, and was exposed to the sun.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
1	0 25	2.7	764.60	30.086	28.	27 5	.165	3 A. M.:	80.	NNW.	..	..	8	N. (?)
	2 25	1.9	764.80	30.099	24.	23.2	.137	(D. 21.3)	83.	NNE.	..	..	1	Ci-cu.
	4 25	1.1	763.85	30.064	22.6	21.5	.126	(A. 23.4)	83.1	NNE.	..	..	8	N.
	6 25	0.5	762.25	30.004	22.2	20.9	.121	9 A. M.:	84.	ENE.	..	..	8	N.
	8 25	0.	760.10	29.923	22.5	21.	.119	(D. 18.)	82 8	ENE.	1	..	8	N., snowing.
	10 25	—0.2	759.00	29.880	20.6	20.5	.131	(A. 20.3)	92.	ENE.	..	..	8	N., snowing.
	12 25	—1.	752.60	29 633	20.8	20 6	.130	.....	91.5	ENE.	1	..	8	N., snow and hail.
	14 25	—1.2	747.25	29.422	23.4	23.2	.113	.....	92.	ENE.	2	..	8	N., snow and sleet.
	16 25	—0.7	742 75	29.242	29.1	29.	.178	.....	93.	ENE.	..	..	8	N., rain.
	18 25	0.	740.50	29.151	29.1	29.	.178	.....	93.	N.	..	.05	8	N.
	20 25	0.	741.30	29.182	27.3	26.9	.162	.....	89.	NW.	..	..	5	Ci-cu., N.
	22 25	—0.2	744.70	29.317	21.6	21.4	.134	.....	87.	WNW.	..	..	..	Clear.
2	0 25	—0.8	746.10	29.375	20 8	20.5	.129	.....	85.	W.	..	..	..	Clear.
	2 25	—1.2	747.75	29.442	20.1	19.9	.127	.....	84.	W.	..	..	..	Clear.
	4 25	—1.7	748.00	29.454	19.4	19.1	.122	.....	85.3	W.	..	..	..	Clear.
	6 25	—2.4	748.95	29.495	17.9	17.5	.114	9 A. M.:	86.	WSW.	..	..	..	Clear.
	8 25	—2 2	749.75	29.525	19.	18.9	.123	(D 16.)	85.2	WSW.	..	..	3	Ci.
	10 25	—1.	750.00	29.530	24.6	23.2	.131	(A. 20.1)	81.5	WSW.	..	..	4	Ci., Ci-cu.
	12 25	0.1	748.70	29.474	26.8	25.	.137	3 P. M.:	78.8	W.	..	..	3	Ci.
	14 25	0.7	748.85	29.476	27.7	26.7	.155	(D. 24.5)	83.	WSW.	..	..	1	Cu , Ci-cu., Ci-s.
	16 25	1.	749.60	29.503	27.7	25.2	.131	(A. 28.4)	80.	SW.	..	..	5	Cu., Ci-cu.
	18 25	0.4	750.00	29.523	23.6	20.6	.102	9 P. M.:	72.	W.	..	..	..	Clear.
	20 25	—0.5	752.45	29.624	18.2	16.8	.101	(D. 15.)	72.5	WNW.	..	..	..	Clear.
	22 25	—1.7	753.25	29.661	15.	13.	.080	(A. 16.8)	71.	NW.by W.	..	..	..	Clear.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
4	0	25	—10.5	762.40	30.064	3.3	2.4	.058	3 A. M.:	69.3	WNW.	..	..	..	Clear.
	2	25	—11.2	762.80	30.083	3.5	2.6	.059	(D. 1.5)	70.1	NW.	..	..	8	N.
	4	25	—11.2	763.20	30.098	4.5	4.	.066	(A. 4.3)	70.9	WNW.	..	..	½	Cu-s.
	6	25	—11.2	763.75	30.120	3.5	3.	.064	.....	72.	NW.by W.	..	..	7	Cu., Ci., Ci cu., Ci-s.
	8	25	—11.3	764.60	30.155	5.	4.6	.069	.....	72.	W.	..	..	6	Ci., Ci-cu., Cu-s.
	10	25	—10.2	765.75	30.194	9.	7.8	.070	.....	71.5	W.	..	..	5	Ci., Ci-cu.
	12	25	— 8.8	765.20	30.166	13.6	12.2	.083	.....	70.	W.	..	..	8	Ci-cu., N.
	14	25	— 7.	765.60	30.172	15.7	14.4	.092	.....	73.	SW.	..	..	8	Ci-cu.
	16	25	— 6.4	765.80	30.177	14.5	13.6	.093	.....	73.5	WSW.	..	..	2	Ci., Ci cu.
	18	25	— 6.5	766.90	30.221	11.7	11.5	.092	9 P. M.:	77.5	W.	..	..	..	Clear.
	20	25	— 7.	768.70	30.295	9.2	9.2	.087	(D. 1.6)	83.	W.	..	..	..	Clear.
	22	25	— 7.3	768.90	30.305	9.	9.	.086	(A. 9.3)	83.5	N.	..	..	2	Ci., Ci-s.
5	0	25	— 7.5	769.55	30.331	8.2	8.	.081	3 A. M.:	85.	N.	..	..	7	Ci., Ci s.
	2	25	— 7.6	770.30	30.360	7.7	7.5	.079	(D. 4.5)	84.2	NE.	.	..	4	Ci s.
	4	25	— 7.8	770.65	30.376	10.	9.3	.080	(A. 8.9)	81.4	ENE.	..	..	8	Ci cu., N.
	6	25	— 7.6	771.50	30.368	12.5	12.	.091	9 A. M.:	82.	E. by N.	..	..	8	Ci-cu., N.
	8	25	— 7.5	772.35	30.441	13.9	12.8	.088	(D. 4.5)	80.	E. by N.	..	..	8	Ci cu., N.
	10	25	— 7.	772.80	30.456	16.9	15.9	.101	(A. 15.6)	81.	ENE.	..	..	8	Ci., Ci-cu.
	12	25	— 6.	772.00	30.421	20.6	19.5	.116	3 P. M.:	81.5	ENE.	..	..	7	Ci., Ci-cu.
	14	25	— 4.2	771.40	30.388	25.2	24.	.137	(D. 15.5)	82.5	ENE.	..	..	6	Ci., Ci-cu. and Ci-s.
	16	25	— 3.5	771.55	30.391	23.4	22.8	.137	(A. 24.5)	85.	NE.	..	..	8	Ci cu., N.
	18	25	— 3.	771.40	30.382	24.3	23.9	.145	9 P. M.:	88.1	NE.	..	..	8	Ci-cu., N.
	20	25	— 2.8	771.40	30.381	25.8	25.4	.153	(D. 24.6)	89.	NE.	..	..	8	Ci-cu., N., raining lightly.
	22	25	— 2.2	771.25	30.372	26.5	26.5	.164	(A. 27.8)	94.2	NE.	..	..	8	Ci-cu., N., raining lightly.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
6	0 25	—2.	770.25	30.331	28.7	28.5	.174	3 A. M.:	94.2	NE.	..	..	8	N., raining.
	2 25	—1.3	769.40	30.296	30.5	....	....	(D. 29.5)	95.7	ENE.	..	..	8	N., raining.
	4 25	—0.8	768.75	30.268	32.5	31.9	.193	(A. 31.)	96.	ENE.	..	..	8	N., raining.
	6 25	—0.1	768.10	30.238	34.3	31.5	.168	9 A. M.:	94.7	ENE.	..	.25	8	N., raining.
	8 25	0.5	767.80	30.223	39.5	39.5	.260	(D. 37.)	94.	ENE.	..	.11	8	N., raining.
	10 25	1.9	767.80	30.216	43.8	43.5	.296	(A. 42.)	91.	ESE.	..	.16	8	N., raining, (fog.)
	12 25	4.	766.45	30.154	46.	46.	.326	3 P. M.:	92.5	ESE.	..	.14	8	N., raining, very dense fog.
	14 25	5.	766.10	30.134	46.7	46.7	.333	(D. 41.3)	92.5	NW. by W.	..	.04	8	N., raining, very dense fog.
	16 25	6.	766.30	30.137	44.2	44.2	.306	(A. 45.)	92.5	ENE.	..	.12	8	N., raining, very dense fog.
	18 25	6.5	766.30	30.136	45.1	45.1	.316	9 P. M.:	93.	SSE.	..	.23	8	N., raining, very dense fog.
	20 25	7.	766.00	30.121	45.4	45.4	.319	(D. 45.3)	93.	SE.	..	.22	8	N., raining, very dense fog.
	22 25	7.4	765.50	30.099	45.2	45.1	.315	(A. 45.4)	93.	E. by S.	..	.15	8	N., raining, very dense fog.
7	0 25	7.8	763.90	30.034	44.6	44.6	.310	3 A. M.:	94.3	E.	..	.10	8	N., raining, fog.
	2 25	8.	763.15	30.003	48.5	48.5	.355	(D. 47.3)	95.	ESE.	..	.02	8	N., raining, fog.
	4 25	8.4	761.80	29.949	50.	50.	.373	(A. 49.)	95.2	SE.	..	.02	8	Raining, fog cleared.
	6 25	9.	761.70	29.942	53.1	53.	.413	9 A. M.:	95.1	S.	..	.02	8	N., ceased raining.
	8 25	10.	761.30	29.921	54.7	54.3	.428	(D. 48.)	95.	S. by E.	1	..	8	N., scud flying from S.
	10 25	11.3	760.40	29.880	56.8	55.7	.441	(A. 55.6)	95.	SSE.	4	..	8	N., raining.
	12 25	12.6	758.50	29.800	57.1	56 3	.453	.....	95.	SSE.	4	.20	8	N., raining.
	14 25	13.	757.40	29.754	56.7	56.	.450	.....	95.	SSE.	4	.21	8	N., raining.
	16 25	13.5	757.25	29.745	56.8	56.	.449	.....	95.	SSE.	4	.02	8	N., raining.
	18 25	13.9	757.25	29.744	56.5	55.6	.441	9 P. M.:	99.8	SSE.	3	.02	8	N., raining.
	20 25	13.9	756.85	29.728	56.	55.7	.450	(D. 52.5)	100.	S. by E.	4	.02	8	N., raining.
	22 25	14.6	757.80	29.762	53.6	53.6	.422	(A. 56.)	98.	SSW.	..	.60	8	N., raining.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
8	0 25	14.	757.70	29.762	52.	52.	.400	3 A. M.:	98.	WSW.	..	.10	8	N., very foggy.
	2 25	13.8	759.25	29.822	49.5	49.5	.367	(D. 44.7)	98.	W. by N.	..	..	..	Clear.
	4 25	12.8	760.80	29.889	45.2	44.9	.310	(A. 47.)	97.3	W. by N.	..	..	..	Clear.
	6 25	11.9	761.95	29.938	43.	43.	.293	9 A. M.:	92.	NW. by N.	..	..	..	Clear.
	8 25	11.	762.60	29.967	41.6	39.2	.230	(D. 40.2)	88.5	NW. by N.	..	..	1	Light Ci. and Ci s.
	10 25	10.8	763.50	30.004	42.6	40.3	.241	(A. 42.8)	88.	NNW.	..	..	4	Light Ci. and Ci-s.
	12 25	11.6	761.60	29.925	....	....	....	3 P. M.:	86.5	NNW.	..	..	2	Light Ci. and Ci-s.
	14 25	12.3	762.10	29.942	44.4	42.8	.273	(D. 40.3)	84.3	N.	..	..	5	Ci., Ci-s., Ci-cu.
	16 25	12.1	762.85	29.972	45.5	43.	.265	(A. 47.8)	87.	N. by W.	..	..	8	Cu., Ci-cu., N.
	18 25	11.4	762.35	29.956	41.5	41.	.268	9 P. M.:	91.	N. by W.	..	..	7	Cu., N.
	20 25	10.7	762.50	29.965	40.	38.	.223	(D. 33.5)	89.5	N.	..	..	3	Cu., Ci-cu., Ci.
	22 25	10.	763.15	29.993	36.5	34.9	.203	(A. 38.6)	92.1	N.	..	..	2	Cu., Ci-cu., Ci.
9	0 25	9.	762.70	29.981	34.5	33.	.190	3 A. M.:	95.	NW.	..	..	8	Ci., Ci-cu., Ci-s.
	2 25	8.	762.95	29.996	33.8	32.5	.188	(D. 31.7)	93.	NW. by N.	..	..	8	Ci., Ci-cu., Ci-s.
	4 25	7.5	763.25	30.010	33.	31.5	.181	(A. 33.3)	94.	NW.	..	..	8	Cu., Ci., Ci-s.
	6 25	6.6	763.50	30.023	32.2	31.	.180	9 A. M.:	94.4	NW.	..	..	..	Cu. in *W.*
	8 25	6.5	764.50	30.065	34.3	33.3	.198	(D. 33.1)	93.7	NNW.	..	..	..	Ci. in *SE.*
	10 25	6.9	765.00	30.082	37.	36.3	.224	(A. 34.4)	89.2	NNW.	..	..	..	Ci. in *SE.*
	12 25	7.7	764.20	30.046	40.	37.1	.206	4½ P. M.	86.	NNE.	..	..	6	Ci., Ci-cu., Cu-s.
	14 25	7.9	763.80	30.029	41.5	38.4	.215	(D. 38.5)	85.9	NW.	..	..	8	Ci., Ci-cu.
	16 25	8.	764.25	30.047	41.7	38.7	.219	(A. 41.6)	85.5	N. by E.	..	..	8	Ci., Ci-cu.
	18 25	8.	764.60	30.061	38.7	37.	.219	9 P. M.:	91.5	SW. by S.	..	..	7	Hazy.
	20 25	7.7	764.80	30.070	36.7	35.7	.216	(D. 33.)	93.5	SSW.	..	..	7	Ci., Ci-cu.
	22 25	7.2	764.75	30.071	34.1	33.5	.203	(A. 35.5)	98.	W.	..	..	8	N.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
11	0 25	....	.....	.....	....	....	....	.....	....	N.	..	..	..	
	2 25	....	.....	.....	....	....	....	.....	....	NNE.	..	..	..	
	4 25	....	.....	.....	....	....	....	.....	....	ENE.	..	.10	..	
	6 25	....	.....	.....	....	....	....	.....	....	ENE.	..	.24	..	
	8 25	....	.....	.....	....	....	....	.....	....	ENE.	..	.02	..	
	10 25	....	.....	.....	....	....	....	.....	....	ENE.	..	.05	..	
	12 25	6.5	755.00	29.691	42.3	42.	.280	3 P. M.:	92.	NNE.	..	.03	8	Fine mizzling rain.
	14 25	7.	754.30	29.662	43.3	43.1	292	(D. 39.)	91.	NW.	..	.02	8	Fine mizzling rain.
	16 25	7.4	754.40	29.663	41.6	41.5	.278	(A. 43.6)	95.4	SW.	..	.01	8	Fine mizzling rain.
	18 25	....	.....	.....	....	....	....	.....	....	WSW.	..	..	..	
	20 25	7.9	756.15	29.729	40.	39.8	.261	.....	95.6	SW.	..	..	8	N.
	22 25	7.3	757.15	29.772	38.3	38.3	.249	.....	95.9	SW. by W.	..	..	8	N.
12	0 25	6.9	758.10	29.807	36.5	36.	.224	3 A. M :	93.9	SW.	..	..	..	Clear.
	2 25	6.8	760.10	29.890	38.8	36.8	.214	(D. 35.)	81.9	W.	..	..	..	Clear.
	4 25	6.3	761.60	29.951	40.3	35.8	.178	(A. 39.8)	77.	WNW.	..	..	..	Clear.
	6 25	6.	763.60	30.030	38.7	35.	.180	9 A. M.:	76.	WNW.	..	..	..	Clear.
	8 25	6.	765.00	30.085	38.2	34.5	.176	(D. 35.)	76.	WNW.	..	..	3	Ci., Ci-s.
	10 25	6.5	766.65	30.150	39.8	35.8	.182	(A. 38.8)	74.	WNW.	..	..	7	Ci , Ci-s.
	12 25	8.	766.10	30.120	41.6	38.5	.216	3 P. M.:	72.5	NW.	..	..	3	Ci., Ci-s.
	14 25	8.3	766.30	30.126	41.6	36.2	.169	(D. 29.)	71.5	NW.	..	..	2	Ci., Ci s.
	16 25	8.2	767.00	30.153	39.3	34.5	.163	(A. 44.)	71.7	NW.	..	..	7	Ci., Ci s.
	18 25	7.4	767.50	30.178	32.7	31.9	.191	9 P. M.:	74.	NW. by W.	..	..	..	Clear.
	20 25	6.4	767.60	30.187	31.2	30.	.174	(D. 33.4)	74.	W.	..	..	..	Ci. in *W.*
	22 25	5.8	767.80	30.198	31.	29.5	.167	(A. 41.)	74.	N.	..	..	2	Ci. in *W.*

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
13	0	25	5.	767.40	30.185	32.	30.7	.177	3 A. M.:	88.4	SW.	..	..	8	N.
	2	25	4.8	766.90	30.167	32.4	31.6	.188	(D. 31.6)	92.8	S.	..	..	8	N.
	4	25	4.8	767.25	30.180	32.8	31.5	.183	(A. 32.3)	90.3	E.	..	..	8	N.
	6	25	4.5	766.30	30.145	33.3	31 7	.181	9 A. M.:	88.4	ENE.	..	..	8	N.
	8	25	4.8	765.70	30.119	32.2	31.8	.194	(D. 30.2)	94.	E.	..	..	8	Snowing.
	10	25	4.7	765.40	30.108	33.5	33.1	.203	(A. 33.4)	94.	ENE.	..	..	8	N.
	12	25	4.6	761.80	29.967	33.	32.8	.203	3 P. M.:	94.	ENE.	..	..	8	Snowing fast.
	14	25	4.4	759.40	29.873	33.	32.8	.203	(D. 31.6)	94.	ENE.	..	..	8	Snowing fast.
	16	25	4.6	760.25	29.906	33.	32.8	.203	(A. 33.)	95.	NE.	..	.20	8	Snow and rain.
	18	25	4.5	759.60	29.877	33.	32.6	.200	.....	93.1	ENE.	..	.05	8	Snow and rain.
	20	25	4.	760.40	29.917	33.	32.6	.200	.....	92.5	ENE.	..	.05	8	Raining gently.
	22	25	3.6	761.00	29.940	32.8	32.4	.198	.....	92.	ENE.	..	.06	8	Raining gently.
14	0	25	3.5	761.40	29.956	32.7	32.1	.193	3 A. M.:	92.	ENE.	..	.05	8	N., raining lightly.
	2	25	2.9	762.35	29.996	32.6	32.1	.194	(D. 29.3)	90.	ENE.	..	.01	8	Mizzling rain.
	4	25	2.7	763.20	30.030	32.5	32.	.193	(A. 32.5)	91.8	ENE.	..	.02	8	Mizzling rain.
	6	25	2.6	764.40	30.080	32.1	31.9	.197	9 A. M.:	91.	ENE.	..	.01	8	Mizzling rain.
	8	25	2.6	765.50	30.123	31.8	31 3	.189	(D. 28.8)	91.	ENE.	..	..	8	N.
	10	25	2.8	767.10	30.184	31.8	31.	.184	(A. 31.8)	90.	ENE.	..	..	8	N.
	12	25	3.	766.40	30.156	31.4	30.6	.182	.....	90.	ENE.	..	..	8	N.
	14	25	3.	766.40	30.156	30.8	30.1	.179	.....	90.5	ENE.	..	..	8	N.
	16	25	2.9	767.10	30.183	30.1	29.6	.178	.....	92.5	ENE.	..	..	8	N.
	18	25	2.8	767.40	30.196	29.1	28.5	.170	.....	87.	ENE.	..	..	8	N.
	20	25	2.4	767.70	30.210	29.1	29.	.178	.....	87.	ENE.	..	..	8	N.
	22	25	2.	767.10	30.188	30.1	27.7	.147	.....	89.	ENE.	..	..	8	N.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
15	0 25	1.8	766.40	30.162	30.6	30.1	.181	3 A. M.:	92.	ENE.	..	..	8	Raining lightly.
	2 25	1.7	766.05	30.148	31.	30.8	.189	(D. 29.9)	94.9	ENE.	..	..	8	Raining lightly.
	4 25	1.8	765.70	30.134	31.5	31.1	.189	(A. 31.1)	92.	ENE.	..	..	8	Raining lightly.
	6 25	1.9	766.00	30.145	31.9	31.5	.192	9 A. M.:	93.2	ENE.	..	..	8	Raining lightly.
	8 25	2.	766.20	30.153	31.	30.8	.189	(D. 28.6)	93.5	NE.	..	..	8	Raining lightly.
	10 25	2.5	766.70	30.171	31.4	31.1	.190	(A. 31.3)	93.5	NE.	..	..	8	Fine mizzling rain.
	12 25	3.	766.00	30.140	32.1	31.6	.191	3 P. M.:	93.	N. by E.	..	.05	8	Raining.
	14 25	3.5	766.00	30.137	32.8	32.	.191	(D. 31.1)	91.5	N. by E.	..	.09	8	Fine rain.
	16 25	4.	766.50	30.156	33.1	32.6	.198	(A. 33.)	92.	N.	..	.03	8	N., ceased raining.
	18 25	4.	767.00	30.175	32.6	32.5	.202	9 P. M.:	95.	NNW.	..	..	8	N.
	20 25	3.7	768.00	30.216	32.1	32.	.198	(D. 31.5)	94.	NW.	..	..	8	N.
	22 25	3 7	768.10	30.220	31.7	31.6	.195	(A. 31.7)	94.	NW.	..	..	8	N.
16	0 25	3.5	768.30	30.228	32.1	32.	.198	3 A. M.:	94.	W. by N.	..	..	8	N.
	2 25	3.4	769.00	30 256	31.3	31.3	.194	(D. 30.1)	94.9	NW.	..	..	8	N.
	4 25	3.3	769.25	30.266	30.3	30.3	.188	(A. 31.1)	94.	NW.	..	..	8	Thick fog.
	6 25	3.	769.35	30.271	30.	30.	.186	9 A. M.:	94.	NE.	..	..	8	Thick fog.
	8 25	3.	769.65	30.283	29.1	29.1	.180	(D. 28.1)	94.	N.	..	..	8	Thick fog.
	10 25	3 2	770.90	30.331	31.6	31.1	.188	(A. 29.3)	94.	E. by S.	..	..	8	Thick fog.
	12 25	3.8	769.20	30.261	34.4	....	....	3 P. M.:	91.	S.	..	..	8	N., fog clearing.
	14 25	4.	768.60	30.238	34.8	34.	.205	(D. 30.2)	90.	W.	..	..	8	N.
	16 25	4.	767.40	30.190	33.5	33.	.201	(A. 34.1)	93.	E. by N.	..	..	8	N.
	18 25	4.	768.30	30.226	33.1	32.8	.202	9 P. M.:	93.	N. by E.	..	..	8	N.
	20 25	4.	767.00	30.174	33.	32.5	.197	(D. 31.)	93.	ENE.	..	..	8	N.
	22 25	3.9	766.20	30.143	32.8	32.6	.202	(A. 32.8)	95.	ENE.	..	..	8	N.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
18	0 25	5.9	760.30	29.903	31.6	27.6	.129	.....	76.	WNW.	..	..	8	Overcast and dark.
	2 25	4.6	762.35	29.988	27.	24.1	.121	.....	74.4	WNW.	..	..	2	Cu., Cu-s.
	4 25	3.	764.20	30.069	23.5	22.1	.126	.....	74.9	WNW.	..	..	1	Cu.
	6 25	1.8	766.65	30.172	19.	18.2	.113	9 A. M.:	73.8	WNW.	1	..	6	Light Ci-cu. and Ci-s.
	8 25	0.4	769.00	30.270	16.5	14.	.079	(D. 12.)	70.	WNW.	3	..	6	Ci., Ci s.
	10 25	—0.4	771.20	30.361	15.6	13.6	.082	(A. 16.)	67.5	WNW.	3	..	6	Ci , Ci-s.
	12 25	—1.	771.60	30.381	15.1	13.2	.082	9 P. M.:	64.	WNW.	2	..	4	Light Ci.
	14 25	—0.2	772.20	30.400	15.1	12.1	.066	(D. 8.2)	63.5	W.	1	..	5	Light Ci. and Ci-s.
	16 25	—1.8	773.00	30.439	13.8	11.5	.074	(A. 14.8)	61.1	W.	1	..	5	S., Ci-s.
	18 25	—2.8	774.55	30.505	13.1	11.1	.073	.....	62.8	W.	1	..	4	S., Ci., (and N. ?)
	20 25	—4.	775.50	30.549	12.7	11.5	.082	.....	62.	W.	1	..	..	Clear.
	22 25	—5.	776.20	30.581	12.	9.5	.062	.....	64.	W.	..	..	..	Clear.
19	0 25	—5.3	776.70	30.602	11.3	9.1	.064	.....	64.	W.	..	..	..	Clear.
	2 25	—6.1	778.00	30.658	10.3	8.9	.072	.....	64.3	W. by N.	..	..	2	S.
	4 25	—6.8	778.45	30.678	9.5	8.8	.078	.....	65.7	W. by N.	..	..	2	N.?
	6 25	—7.3	779.65	30.728	8.1	6.6	.064	9 A. M.:	65.	WNW.	..	..	4	Light Ci. and Ci-s.
	8 25	—7.3	780.50	30.761	8.2	6.7	.064	(D. 1.1)	66.	NW.	..	..	2	Light Ci. and Ci s.
	10 25	—7.	781.30	30.791	10.3	8.6	.068	(A. 8 3)	66.	NW.	..	..	6	Light Ci. and Ci-s.
	12 25	—5.8	780.40	30.750	12.5	10.8	.075	3 P. M.:	66.	NW.	..	..	8	N., S.
	14 25	—5.	779.70	30.719	14.2	11.8	.070	(D. 4.)	65.5	NW.	..	..	8	N.
	16 25	—5.	780.00	30 730	14.2	12.1	076	(A. 14.3)	66.5	NW.	..	..	8	N.
	18 25	—5.	779.40	30.707	14.2	12.5	.081	.....	67.	NNW.	..	..	7	Nearly overcast.
	20 25	—5.	779.00	30.691	15.2	13.6	.086	.....	69.	NE.	..	..	7	Nearly overcast, very dark.
	22 25	—5.	779.10	30.695	15 8	14.1	.087	.....	70.	NE.	..	..	7	Nearly overcast, very dark.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
20	0 25	—5.1	777.90	30.648	16.5	15.	.092	3 A. M.:	71.	NNE.	..	..	8	N.?
	2 25	—5.	777 75	30.642	17.	15.	.087	(D. 7.9)	72.5	NNE.	..	..	8	N.
	4 25	—5.	776 75	30.603	17.5	15.5	.089	(A. 17.1)	73.9	ENE.	..	..	8	N.
	6 25	—4.7	776.35	30.585	18.5	17.	.101	9 A. M.:	78.	ENE.	..	..	8	N.
	8 25	—5.	776.35	30.587	18.5	18.2	.118	(D. 15.6)	90.5	NE.	..	..	8	N., snowing.
	10 25	—4.	775.90	30.566	21.6	21.1	.130	(A. 20.)	89.5	NE.	..	..	8	N., snowing.
	12 25	—3.2	773.40	30.463	25.1	24.6	.148	3 P. M.:	90.	ENE.	..	..	8	N., snowing.
	14 25	—2.4	772.00	30.402	27.6	27.2	.164	(D. 24.)	92.	ENE.	2	..	8	N., snowing.
	16 25	—2.	771.20	30.369	28.3	28.1	.171	(A. 27.4)	93.5	ENE.	1	..	8	Snowing very fast.
	18 25	—0.5	770.15	30.320	29.5	29.	.174	9 P. M.:	91.2	ENE.	2	..	8	Snowing very fast.
	20 25	—0.2	769.75	30.304	28.1	27.7	.167	(D. 19.8)	92.	ENE.	3	..	8	Snow and hail.
	22 25	0.	768.10	30.238	30.1	29.6	.178	(A. 27.6)	91.7	ENE.	3	..	8	Snow and hail.
21	0 25	0.8	764.80	30.104	31.4	31.	.188	.....	93.2	ENE.	..	..	8	Raining fast.
	2 25	1.	763.30	30.042	31.6	31.2	.190	.....	93.1	ENE.	..	.04	8	Raining fast.
	4 25	1.3	760.60	29.936	32.	31.8	.196	.....	92.1	ENE.	..	.06	8	Raining fast.
	6 25	1.8	758.95	29.869	32.6	32.4	.200	.....	92.7	ENE.	1	.10	8	Raining fast.
	8 25	2.	757.50	29.811	33.2	33.	.205	.....	92.	ENE.	..	.12	8	Raining fast.
	10 25	2.3	757.00	29.790	33.7	33.5	.208	.....	95.	NNE.	..	.93	8	Raining fast.
	12 25	2 7	754.75	29.700	35.1	34.6	.213	.....	93.5	NNE.	..	.22	8	Raining fast.
	14 25	3.	751.30	29.681	34.6	34.3	.213	.....	93.5	NNW.	..	.06	8	Raining.
	16 25	3.2	754.70	29.695	35.1	34.8	.217	.....	93.5	NW.	..	.03	8	Raining.
	18 25	3.	754.70	29 697	35.4	34.9	.215	.....	93 2	WNW.	..	.02	8	Raining pretty fast.
	20 25	3.	755.00	29.708	36.	35.3	.216	.....	92.	NW.	..	.06	8	Raining pretty fast.
	22 25	3.	755.85	29 741	33.8	33.3	.203	.....	92.	NNW.	..	.06	8	Raining pretty fast.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
22	0 25	3.	756.10	29.750	34.6	33.7	.202	.....	90.5	NNW.	..	.05	8	N.
	2 25	...	.....	.....	....	....	....	.....	....	NNW.	2	..	..	
	4 25	...	.....	.....	....	....	....	.....	....	NNW.	3	..	..	
	6 25	...	.....	.....	....	....	....	9 A. M.:	....	NNW.	..	..	..	
	8 25	2.5	759.00	29.867	33.3	29.6	.146	(D. 25.6)	74.5	NNW.	2	..	8	Cu., Ci-cu , Cu-s.
	10 25	2.7	760.00	29.905	33.4	29.5	.143	(A. 33.3)	74.	NW.	..	..	8	Cu., Ci-cu., Cu-s.
	12 25	3.	758.80	29.857	33.1	29.5	.146	3 P. M.:	75.	NNW.	1	..	8	Ci-cu., N., Cu s.
	14 25	3.	758.00	29.825	32.3	29.2	.149	(D. 26.4)	76.	NW.	..	..	8	Ci-cu., N., Cu-s.
	16 25	2.8	758.20	29.834	31.5	28.1	.139	(A. 32.1)	76.7	WNW.	..	..	8	N.
	18 25	2.5	757.90	29.825	30.	27.3	.141	9 P. M.:	77.5	WNW.	..	..	..	N.
	20 25	2.3	757.70	29.818	28.3	26.5	.146	(D. 25.)	78.5	WNW.	..	..	..	N.
	22 25	2.	757.25	29.801	27.	26.5	.159	(A. 27.7)	79.	WNW.	..	..	..	N.
23	0 25	1.5	756.60	29.778	26.5	25.5	.148	3 A. M.:	79.9	WNW.	..	..	8	Heavy clouds.
	2 25	1.2	756.25	29.765	26.5	25.5	.148	(D. 24.8)	80.2	NW.	..	..	8	Heavy clouds.
	4 25	1.	756.05	29.757	26.5	25.6	.149	(A. 26.5)	81.2	NW.	..	..	8	Heavy clouds.
	6 25	0.8	756.45	29.775	26.1	25.2	.147	9 A. M.:	85.	WNW.	..	..	8	Heavy clouds.
	8 25	0.8	757.00	29.797	26.6	25.4	.147	(D. 24.5)	88.	WNW.	..	..	8	Cu., N., Ci cu.
	10 25	1.3	757.70	29.822	29.	27.	.147	(A. 27.8)	85.5	WNW.	..	..	8	Cu., N., Ci-cu.
	12 25	2.	756.65	29.777	30.3	27.5	.142	3 P. M.:	81.3	WNW.	..	..	8	Cu., N., Ci cu.
	14 25	2.5	756.90	29.785	31.4	28.4	.145	(D. 25.5)	80.	WNW.	..	..	8	Ci-cu., N.
	16 25	2.5	757.40	29.805	32.	29.	.149	(A. 31.5)	80.	WNW.	..	..	8	Ci cu., N.
	18 25	3.	758.70	29.853	31.8	29.6	.161	9 P. M.:	81.	W.	..	..	8	N.
	20 25	2.8	759.00	29.865	32.3	29.8	.159	(D. 23.8)	81.5	W.	..	..	8	N.
	22 25	2.8	759.00	29.865	31.3	29.8	.169	(A. 32.2)	87.	WSW.	..	..	8	N.

Date.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 8ths.	Clouds, &c.
	h. m.													
25	0 25	4.3	755.55	29.724	32.3	31.5	.188	.....	94.3	NNW.	..	..	8	Thick heavy clouds. N. (?)
	2 25	3.7	755.70	29.732	30.5	....	....	.....	95.	W.	..	..	2	Ci-s. (?)
	4 25	3.2	755.50	29.726	30.5	30.	.181	.....	93.	SW.	..	..	1	Cu-s. (?)
	6 25	2.8	756.00	29.747	29.3	28.7	.171	9 A. M.:	93.9	SSW.	..	..	1	Ci, Cu-s, (?) foggy.
	8 25	3.	756.60	29.770	31.8	31.1	.186	(D. 31.6)	92.	SW.	..	..	1	Cu., Ci cu.
	10 25	4.5	757.20	29.787	40.4	36.5	.190	(A. 39.5)	80.	W.	..	..	..	A little Cu.
	12 25	6.6	756.80	29.761	42.7	37.3	.180	3 P. M.:	71.5	W. by N.	1	..	2	Cu., Ci cu.
	14 25	7.8	757.25	29.773	42.5	35.5	.148	(D. 31.8)	66.	WNW.	2	..	3	Cu., Ci-cu.
	16 25	7.4	758.70	29.832	40.3	35.8	.178	(A. 42.5)	69.8	WNW.	2	..	8	Cu., Ci-cu., N.
	18 25	6.3	760.70	29.916	37.1	32.4	.149	9 P. M.:	*63.	NW.	..	..	8	Cu., N.
	20 25	5.5	763.00	30.009	34.6	30.2	.142	(D. 29.5)	73.	NW.	1	..	4	Cu., Ci cu., N.
	22 25	5.	763.50	30.031	32.8	28.3	.129	(A. 34.3)	72.	NW.	1	..	..	A few detatched Cu.
26	0 25	4.3	764.40	30.072	32.4	28.3	.133	3 A. M.:	73.	NW.	..	..	4	Dark heavy clouds.
	2 25	3.8	765.30	30.108	31.	27.5	.134	(D. 22.9)	74.8	WNW.	..	..	..	Clear.
	4 25	3.	765.50	30.120	28.7	26.7	.145	(A. 29.3)	79.	WNW.	..	..	..	Clear.
	6 25	2.5	766.15	30.149	26.3	25.	.142	9 A. M.:	86.	W.	..	..	..	Clear.
	8 25	3.4	767.50	30.197	30.	28.1	.154	(D. 25.6)	82.9	W.	..	..	2	Light Ci. and Ci-s.
	10 25	4.1	767.90	30.210	34.1	31.7	.173	(A. 32.3)	76.5	NW.	..	..	1	Light Ci. and Ci s.
	12 25	6.	767.40	30.174	37.	32.1	.144	3 P. M.:	75.	S.	..	..	1	Ci.
	14 25	7.	766.40	30.137	38.3	33.8	.161	(D. 31.6)	74.5	SSW	..	..	3	Ci.
	16 25	6.9	765.60	30.105	37.	32.7	.155	(A. 38.5)	76.	SW.	..	..	7	Ci cu., Ci., Cu-s.
	18 25	6.8	765.00	30.081	34.8	31.5	.162	9 P. M.:	79.2	S. by E.	..	..	1	Hazy. Cu-s. in Hor.
	20 25	6.3	764.70	30.073	33.1	30.8	.167	(D. 28 5)	84.	S.	..	..	..	Hazy, stars nearly obscured.
	22 25	5.5	763.05	30.011	32.	30.5	.174	(A. 33.)	91.	S.	..	..	..	Hazy, stars nearly obscured.

* Recorded 53.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
27	0	25	5.2	762.15	29.977	33.7	32.	.182	3 A. M.:	88.2	SW. by S.	..	..	8	N. (?)
	2	25	4.7	761.35	29.949	32.8	31.6	.184	(D. 31.8)	81.4	SSW.	..	..	8	N., very dark.
	4	25	4.4	759.75	29.887	34.	32.5	.186	(A. 33.6)	87.	SW.	..	..	8	N., very dark.
	6	25	4.2	759.35	29.873	34.8	33.8	.201	9 A. M.:	91.5	SW.	..	..	8	N.
	8	25	4.4	758.55	29.840	37.4	37.	.234	(D. 36.)	91.	SW.	..	..	7	Cu , Ci-cu., N.
	10	25	5.	758.40	29.831	40.3	39.6	.253	(A. 40.)	92.	SW.	..	..	8	Ci cu., N.
	12	25	5.6	757.25	29.784	41.6	40.8	.263	.....	91.5	SW.	..	..	8	Ci-cu., N.
	14	25	6.2	756.30	29.713	42.5	41.6	.270	.....	91.5	SW.	..	..	8	Ci-cu., N.
	16	25	6.5	756.40	29.746	42.	41.3	.269	.....	92.	SW.	..	..	8	N.
	18	25	7.	756.70	29.755	39.5	39.3	.256	9 P. M.:	95.	SW.	..	..	..	A little Ci. in *S.*
	20	25	6.5	757.25	29.780	37.1	36.8	.233	(D. 27.)	94.5	SW. by W.	..	..	..	Clear.
	22	25	6.	758.20	29.819	34.5	34.3	.214	(A. 35.8)	95.	SW. by W.	..	..	1	Ci cu. (?)
28	0	25	5.7	759.10	29.855	36.	35.5	.220	3 A. M.:	93.2	W.	..	..	1	Cu s. (?)
	2	25	5.3	759.95	29.891	37.8	36.5	.219	(D. 33.3	91.9	NW. by N.	..	..	1	Cu s. (?)
	4	25	5.	761.05	29.935	37.	36.	.219	(A. 34.4)	91.2	NW. by N.	..	..	..	Clear.
	6	25	4.8	762.15	29.980	36.	34.7	.204	9 A. M.:	88.2	NNW.	..	..	6	Ci., N., S.
	8	25	5.6	763.60	30.033	38.2	35.4	.193	(D. 33.)	83.5	NW.	..	..	3	Ci., S.
	10	25	6.4	765.00	30.084	40.8	37.1	.197	(A. 38 5)	80.	NW. by W.	..	..	3	Ci., Ci-cu.
	12	25	8.2	765.05	30.076	43.6	39.5	.213	3 P. M.:	75.	N.	..	..	3	Ci., Cu., Ci-cu.
	14	25	9.8	765.25	30.078	44.5	38.5	.183	(D. 33.4)	73.	NW.	..	..	4	Ci., Ci s.
	16	25	9.2	766.00	30.110	41.7	38.	.204	(A. 43.5)	74.5	NW.	..	..	7	Ci., S , Ci-s.
	18	25	8.6	766.65	30.139	37.5	34.9	.191	9 P. M.:	81.2	NW.	..	..	8	Ci , S., N. (?)
	20	25	7.7	767.60	30.180	33.	31.5	.181	(D. 27.)	88.5	E. by S.	..	..	..	Hazy.
	22	25	6.8	767.80	30.193	32.7	31.6	.185	(A. 33.)	90.	E. by S.	..	..	..	Hazy.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
29	0	25	6.2	767.30	30.175	31.4	30.7	.183	3 A. M.:	83.9	S. by W.	..	..	..	Clear.
	2	25	5.6	766.85	30.161	30.5	30.	.181	(D. 27.1)	94.4	S. by W.	..	..	3	Cu-s. (?)
	4	25	5.1	766.85	30.164	32.7	31.9	.191	(A. 32.)	91.5	ENE.	..	..	8	(?)
	6	25	4.8	766.45	30.149	33.	32	.189	9 A. M.:	93.	ENE.	..	..	8	N.
	8	25	4.7	765.60	30.116	33.2	32.8	.200	(D. 31.3)	93.5	ENE.	..	.01	8	N., raining.
	10	25	4.5	764.45	30.072	35.	34.4	.210	(A. 33.7)	93.5	E.	..	.07	8	N., raining.
	12	25	4.7	762.20	29.982	35.6	35.	.215	3 P. M.:	93.	E.	..	.10	8	N., raining.
	14	25	4.7	758.80	29.849	35.3	35.1	.220	(D. 35.)	94.	ENE.	..	.11	8	N., raining.
	16	25	4.7	758.40	29.833	35.5	35.3	.222	(A. 35.6)	95.1	NNW.	1	.02	8	N., raining.
	18	25	4.7	758.10	29.821	35.	34.6	.215	9 P. M.:	94.9	N.	1	..	8	N.
	20	25	5.	759.20	29.862	34.1	33.6	.205	(D. 32.5)	95.	NNE.	..	..	8	Foggy.
	22	25	4.7	760.45	29.914	34.	33.5	.204	(A. 31.)	95.	NNW.	..	..	8	N.
30	0	25	4.7	761.20	29.943	34.	33.6	.206	3 A. M.:	95.	NW. by N.	..	..	8	N.
	2	25	4.7	761.40	29.951	33.6	33.5	.209	(D. 33.2)	95.	WSW.	..	..	8	Hazy in Hor.
	4	26	4.4	761.70	29.964	33.	33.	.207	(A. 33.6)	93.	SW.	..	..	8	(?)
	6	25	4.3	762.00	29.975	31.2	31.2	.194	9 A. M.:	94.7	SW.	..	..	8	Dense fog.
	8	25	4.3	762.40	29.991	33.2	32.7	.198	(D. 32.3)	94.	SW. by W.	..	..	8	Ci-cu., Ci-s.
	10	25	4.3	762.75	30.005	36.6	35.1	.205	(A. 34.6)	88.	SW.	..	..	8	Ci-cu. and N.
	12	25	4.8	761.50	29.955	40.1	35.	.164	3 P. M.:	72.	WSW.	..	..	8	Ci cu. and N.
	14	25	5.1	761.15	29.939	39.7	34.	.149	(D. 30.)	69.	W. by S.	1	..	8	Ci-cu. and N.
	16	25	5.2	761.35	29.946	38.9	35.4	.185	(A. 39.5)	70.2	W. by S.	1	..	8	Ci-cu. and N.
	18	25	5.	762.60	29.996	37.1	36.	.218	9 P. M.:	72.8	W. by S.	..	..	..	S. around Hor.
	20	25	4.7	764.00	30.053	36.	29.5	.115	(D. 27.5)	63.	W.	..	..	..	Clear.
	22	25	4.2	764.70	30.084	33.6	27.6	.108	(A. 35.5)	62.5	WNW.	..	..	..	Clear.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
1	0 25	2.8	758.80	29.858	30.	29.4	.176	3 A. M.:	93.	SW. by S	..	..	7	Ci., Ci-s.
	2 25	2.6	758.50	29.848	30.5	30.	.181	(D. 29.5)	94.	SW. by W.	..	..	8	N.
	4 25	2.4	757.60	29.813	30.5	30.	.181	(A. 30.4)	94.2	W. by S.	..	..	8	N.
	6 25	2.4	757.75	29.819	31.	30.7	.187	9 A. M.:	94.3	S. by W.	..	..	8	N.
	8 25	2.5	757.10	29.793	31.7	31.2	.189	(D. 30.3)	94.5	WNW.	..	..	8	N., snowing a little.
	10 25	2 7	755.30	29.721	34.2	32.5	.184	(A. 32.4)	89.5	NE. by N.	..	.01	8	N.
	12 25	2.9	752.50	29.610	33.	32.4	.195	3 P. M.:	92.5	ENE.	..	.02	8	N., raining.
	14 25	2.8	748.50	29.453	32.2	31.9	.196	(D. 31.3)	93.	NE.	..	.11	8	N., rain and hail.
	16 25	2.7	743.50	29.256	33.2	33.	.205	(A. 32.2)	93.	ENE.	5	.28	8	N., raining hard.
	18 25	3.	742.50	29.215	34.	33.9	.212	9 P. M.:	93.	N.	..	.21	8	N., raining hard.
	20 25	3.	743.70	29.263	33.5	33.2	.205	(D. 31.4)	92.5	N.	..	.06	8	N., raining hard.
	22 25	3.	746.20	29.361	31.2	30.2	.177	(A. 33.2)	88.5	NNW.	..	.02	8	N., Ci-cu.
2	0 25	2.8	749.45	29.490	32.	31.5	.191	3 A. M.:	90.1	NW.	..	..	8	N.
	2 25	2.7	750.95	29.550	32.	31.5	.191	(D. 30.8)	90.1	W. by N.	..	..	1	Cu., Cu-s.(?)
	4 25	2.7	752.40	29.607	33.	31.5	.181	(A. 32.)	85.9	WNW.	..	..	..	Clear.
	6 25	2.6	754.20	29.679	31.	29.3	.164	9 A. M.:	84.3	NW.	..	..	6	Cu., Ci., Ci-cu.
	8 25	2.5	756.50	29.769	30.5	28.3	.153	(D. 27.5?)	82.	WNW.	..	..	8	Ci cu., Cu.
	10 25	2.6	757.75	29.819	31.4	28.	.139	(A. 31.)	75.5	NW.	..	..	8	Ci-cu.
	12 25	3.2	757.00	29.784	32.9	29.9	.155	3 P. M.:	74.	N.	..	..	8	Ci-cu., N.
	14 25	3.5	756.00	29.743	33.8	30.3	.153	(D. 23.3)	76.	NE.	..	..	8	Ci-cu., Cu., N.
	16 25	3.9	755.80	29.735	33.8	31.	.164	(A. 34.5)	77.	W.	..	..	8	Ci-cu., N.
	18 25	4.	756.10	29.746	32.6	30.6	.170	9 P. M.:	81.	ENE.	..	..	8	Ci-cu.
	20 25	4.	755.25	29.713	34.6	32.	.173	(D. 31.)	88.	S.	..	..	7	Ci-cu.
	22 25	4.	754.65	29.690	34.	33.3	.201	(A. 34.)	92.	SSW.	..	..	1	Cu , Ci-cu.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
3	0	25	3.6	753.45	29.643	32.1	32.	.198	3 A. M.:	93.7	SW.	..	..	1	Ci., Ci-s.
	2	25	3.5	752.75	29.616	32.	32.	.199	(D. 31.6)	94.2	SW.	..	..	..	Clear.
	4	25	3.2	752.35	29.602	32.2	32.	.197	(A. 32.)	91.3	SW. by S.	..	..	6	Ci., Ci-s.
	6	25	3.	752.00	29.590	31.5	....	....	9 A. M.:	....	WSW.	..	..	1	Ci., Cu-s.(?)
	8	25	3.4	752.25	29.598	36.2	32.2	.156	(D. 31.6)	87.	SW.	..	..	1	Cu.
	10	25	4.	754.00	29.664	40.5	37.7	.213	(A. 38.)	83.	WSW.	1	..	7	Cu., Ci cu.
	12	25	5.6	755.75	29.7 5	38.2	32.	.137	3 P. .M:	66.	WNW.	4	..	1	Cu.
	14	25	6.3	757.00	29.770	38.	30.5	.114	(D. 21.6)	59.5	WNW.	2	..	..	Clear.
	16	25	6.3	758.85	29.843	35.	27.8	.100	(A. 36.3)	57.5	WNW.	1	..	..	Clear.
	18	25	5.3	760.50	29.913	32.	26.4	.107	.....	60.2	WNW.	..	..	..	Clear.
	20	25	4.3	762.60	30.000	30.	24.5	.096	.....	61.	WNW.	..	..	..	Clear.
	22	25	3.8	763.55	30.039	28.	23.3	.098	.....	64.	WNW.	..	..	..	A little Ci-cu. in *S.*
4	0	25	3.	763.80	30.053	26.3	24.6	.104	.....	65.	W.	..	..	1	Ci., Ci-cu , in *S.* and *W.*
	2	25	2.4	764.80	30.096	27.7	24.	.111	.....	61.3	WNW.	2	..	8	Ci., Ci-s.
	4	25	1.8	765.20	30.114	26.	23.	.114	.....	61.4	WNW.	2	..	3	Ci-s.
	6	25	1.2	766.70	30.177	23.4	22.2	.128	.....	67.	WSW.	..	..	4	Ci-s.
	8	25	1.5	768.55	30.249	26.6	22.3	.097	.....	64.5	W.	..	..	4	Ci., Ci-s.
	10	25	2.	769.00	30.263	28.2	23.2	.094	.....	60.	WNW.	1	..	2	Ci.
	12	25	2.9	768.00	30.220	30.3	24.5	.093	4 P. M.:	60.	NNW.	..	..	4	Ci.
	14	25	3.8	767.40	30.191	30.8	25.	.096	(D. 18.)	60.	W.	..	..	5	Ci.
	16	25	3.5	767.10	30.180	29.6	24.5	.100	(A. 30.)	61.	WNW.	..	..	6	Ci., Ci-s.
	18	25	3.	767.10	30.183	27.4	24.	.114	9 P. M.:	66.	W.	..	..	..	Very hazy, no clouds.
	20	25	2.7	766.90	30.177	26.6	24.5	.116	(D. 16.)	67.	NNW.	..	..	..	Hazy, no clouds.
	22	25	1.8	766.25	30.156	25.5	23.2	.122	(A. 26.6)	69.	N.	..	..	3	Ci., Ci-s., halo around moon.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
5	0 25	1.3	766.00	30.148	23.6	22.4	.129	.....	72.8	N. by W.	..	..	5	Ci., Ci-s., halo.
	2 25	0.8	761.55	30.094	23.1	21.5	.121	.....	83.	N. by W.	..	..	8	Ci., Ci-s.
	4 25	0.7	764.10	30.076	23.	21.	.114	.....	80.1	N. by W.	..	..	8	N.?
	6 25	0.1	764.70	30.104	21.5	20.	.114	.....	81.	N. by W.	..	..	8	Ci., Ci s., Cu., Ci-cu.
	8 25	0.	763.75	30.066	23.5	21.7	.115	.....	81.	ENE.	..	..	1	Ci., Ci-s., Cu., Ci-cu.
	10 25	1.2	763.80	30.062	29.8	27.	.139	.....	80.	NNE.	..	..	1	Ci-cu. in Hor.
	12 25	3.2	762.10	29.984	34.	30.2	.148	3 P. M.:	77.	ENE.	..	..	1	Ci-cu. in Hor.
	14 25	4.4	760.60	29.921	36.6	32.	.153	(D. 22.8)	76.5	NE.	..	..	2	Ci., Cu.
	16 25	5.2	760.40	29.909	34.3	31.8	.173	(A. 38.)	77.5	ENE.	..	..	4	Ci., Ci-cu., Cu.
	18 25	4.6	760.10	29.900	30.2	27.8	.148	10 P. M.:	82.	ENE.	..	..	3	Ci., Ci-cu., Cu.
	20 25	3.7	759.65	29.887	29.6	28.2	.160	(D. 24.3)	87.	E.	..	..	4	Ci., Ci-cu., Cu.
	22 25	3.7	759.60	29.885	28.8	27.6	.158	(A. 28.8)	89.	NE.	..	..	..	Clear.
6	0 25	3.1	759.15	29.870	28.	27	.157	3 A. M.:	91.	ENE.	..	..	8	Ci-cu.
	2 25	3.	759.20	29.872	29.3	28.3	.165	(D. 22.)	91.	N.	..	..	8	Ci-cu.
	4 25	2.8	758.55	29.848	29.	28.	.163	(A. 29.)	91.	NE.	..	..	8	Ci cu.
	6 25	3.	758.80	29.857	29.6	28.6	.167	9 A. M.:	91.8	N. by E.	..	..	8	Ci-cu.
	8 25	3.	759.20	29.872	30.8	29.8	.174	(D. 28.4)	92.	ENE.	..	..	8	Ci cu., N.
	10 25	3.7	759.60	29.885	35.	31.8	.166	(A. 33.)	87.	S.	..	..	7	Ci., Ci-cu.
	12 25	4.9	759.00	29.854	40.	37.	.204	3 P. M.:	84.	SSW.	..	..	8	Ci., Ci-cu.
	14 25	5.7	759.20	29.859	40.2	37.3	.208	(D. 33.)	83.5	SW.	..	..	7	Ci., Cu., Ci cu.
	16 25	5.8	759.30	29.863	39.1	37.1	.217	(A. 40.2)	85.	SSW.	..	..	8	Ci cu., N.
	18 25	6.3	760.40	29.904	36.6	34.5	.195	9 P. M.:	85.5	NNW.	..	..	8	Ci cu., N.
	20 25	6.	761.00	29.928	36.4	34.2	.190	(D. 33.)	86.	NNW.	..	..	8	Ci-cu., N.
	22 25	5.6	761.40	29.947	34.	32.5	.186	(A. 35.)	89.5	NNW.	..	..	1	Ci.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
8	0 25	3.3	766.00	30.138	29.8	27.	.139	3 A. M.:	82.1	NNW.	..	..	1	Ci., S.
	2 25	2.7	766.45	30.159	27.6	25.5	.137	(D. 18.9)	82.5	NNW.	..	..	..	Clear.
	4 25	2.	767.10	30.188	27.	24.9	.133	(A. 27.5)	80.8	NNW.	..	..	..	Clear.
	6 25	1.4	767.55	30.209	26.	23.7	.125	.....	81.4	NW. by N.	..	..	½	S.
	8 25	1.3	768.50	30.247	27.	24.5	.127	.....	79.5	NNW.	..	..	½	Ci., S.
	10 25	2.6	769.00	30.261	30.8	27.1	.129	.....	77.	NNE.	..	..	1	Ci., Ci-s.
	12 25	4.3	768.50	30.233	33.6	29.	.132	.....	75.	NNE.	..	..	1	Ci., S.
	14 25	5.7	767.75	30.196	35.1	31.3	.155	.....	72.	NNW.	..	..	1	Ci.
	16 25	5.7	767.25	30.176	35.	30.	.135	.....	70.5	N.	..	..	4	Ci.
	18 25	5.1	767.30	30.181	31.5	30.5	.179	9 P. M.:	77.	NE. by E.	..	..	7	Cu., Ci-cu.
	20 25	4.5	767.00	30.172	29.3	27.1	.145	(D. 20.5)	81.5	NE. by E.	..	..	½	Ci-cu. in *NE.*
	22 25	4.	766.80	30.168	26.7	25.7	.149	(A. 27.2)	89.	NE. by N.	..	..	1	Ci.
9	0 25	3.2	766.20	30.146	27.6	26.6	.154	3 A. M.:	90.5	NW. by W.	..	..	6	Ci.
	2 25	2.6	764.70	30.092	28.	27.5	.165	(D. 25.3)	91.1	ENE.	..	..	8	Ci., Ci-cu.
	4 25	2.5	764.35	30.078	28.	27.5	.165	(A. 28.)	94.	NE. by E.	..	..	8	Ci-cu.
	6 25	2.2	762.75	30.016	28.7	28.2	.169	9 A. M.:	94.	E. by S.	..	..	8	Cu., Ci-cu., N.
	8 25	2.2	761.80	29.979	29.6	28.7	.168	(D. 24.5)	93.	NE. by N.	..	..	8	Ci-cu., Ci-s., N.
	10 25	2.4	760.45	29.925	31.2	29.4	.164	(A. 30.2)	88.5	E.	..	..	8	Ci-cu., Ci-s., N.
	12 25	2.9	759.05	29.867	31.9	30.9	.182	3 P. M.:	92.5	E.	..	..	8	Ci-cu., Ci-s., N, snowing.
	14 25	3.	757.30	29.798	31.4	31.	.188	(D. 31.)	93.	NE. by E.	..	..	8	N., snowing.
	16 25	3.2	756.10	29.748	32.1	31.6	.191	(A. 32.)	93.	NE.	..	..	8	N., snowing fast.
	18 25	3.2	756.80	29.776	31.8	31.6	.194	9 P. M.:	94.	NNE.	..	..	8	N., snowing fast.
	20 25	3.2	756.65	29.770	30.5	30.1	.192	(D. 29.2)	94.	NNW.	..	..	8	N., snowing fast.
	22 25	3.	756.75	29.776	30.3	30.	.183	(A. 30.5)	94.	NW.	..	..	8	N., snowing fast.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
10	0	25	2.8	755.10	29.712	29.6	28.5	.165	3 A. M.:	89.2	NW.	..	..	2	Ci., Cu.
	2	25	2.2	756.05	29.752	28.	26.1	.142	(D. 25.)	81.9	WNW.	..	..	..	Clear.
	4	25	1.9	756.85	29.785	25.5	23.5	.127	(A. 28.)	76.9	W. by N.	..	..	..	Clear.
	6	25	1.3	757.25	29.804	20.6	19.1	.110	10 A. M.:	80.9	WSW.	..	..	..	Clear.
	8	25	1.6	756.70	29.781	22.6	21.2	.121	(D. 23.8)	81.	WSW.	..	..	½	Ci., Ci cu.
	10	25	3.	756.60	29.770	28.3	26.	.138	(A. 28.)	77.	WSW.	..	..	1	Ci., Ci cu.
	12	25	4.7	756.15	29.744	33.2	30.6	.164	3 P. M.:	72.	WSW.	..	..	5	Ci., Ci-cu.
	14	25	4.5	756.15	29.745	28.8	24.8	.114	(D. 22.8)	71.	WNW.	2	..	2	Cu., Ci cu.
	16	25	3.1	757.90	29.822	26.5	22.5	.102	(A. 28.8)	63.8	WNW.	3	..	2	Cu., Ci cu., Cu-s. (?)
	18	25	2.3	759.50	29.888	21.5	17.8	.081	.....	64.	WNW.	2	..	..	Clear.
	20	25	1.2	760.65	29.939	17.6	15.	.081	.....	65.	WNW.	..	..	..	Clear.
	22	25	0.	761.15	29.964	14.6	12.4	.076	.....	65.2	WNW.	..	..	..	Clear.
11	0	25	—1.7	761.65	29.992	13.5	12.	.081	.....	65.6	NW.byW.	..	..	..	Clear.
	2	25	—2.8	761.15	29.977	11.5	10.	.074	.....	66.5	NW.byW.	..	..	..	Clear.
	4	25	—3.8	760.95	29.975	9.5	8.4	.073	.....	68.	NW.byW.	..	..	..	Clear.
	6	25	—4.6	760.95	29.979	6.5	5.5	.065	.....	69.1	SW.	..	..	..	Clear.
	8	25	—4.2	761.15	29.983	9.8	8.3	.069	.....	68.5	W.	..	..	..	Clear.
	10	25	—3.5	760.70	29.964	12.4	10.	.065	.....	64.	WNW.	..	..	..	Clear.
	12	25	—2.	759.25	29.898	13.8	11.3	.069	.....	65.3	NW.	..	..	1	Light Ci. and Ci-s.
	14	25	—1.5	758.10	29.851	14.8	12.3	.072	.....	65.5	WNW.	..	..	1	Cu., Ci-cu., Cu-s.
	16	25	—2.	758.75	29.879	13.8	11.4	.070	.....	66.5	NW.	..	..	5	Cu., Ci., Ci-s.
	18	25	—3.4	759.75	29.925	10.8	8.3	.059	.....	64.	WNW.	..	..	½	Ci., Cu. in *S.*
	20	25	—4.4	760.90	29.976	8.5	6.7	.061	.....	65.5	WNW.	..	..	..	Clear.
	22	25	—5.8	761.20	29.994	6.6	5.2	.061	.....	68.	WNW.	..	..	..	Clear.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
12	0 25	—6.9	761.45	30.009	5.	4.	.061	.....	68.	WNW.	..	..	..	Clear.
	2 25	—8.	760.80	29.989	4.1	3.1	.059	.....	69.	WNW.	..	..	..	Clear.
	4 25	—8.8	760.20	29 970	3.	2.	.056	.....	70.	NW.byW.	..	..	..	Clear.
	6 25	—9.5	760.00	29.964	1.9	1.4	.060	.....	71.7	WNW.	..	..	..	Clear.
	8 25	—9.	760.25	29.972	4.5	3.8	.064	.....	71.	WNW.	..	..	..	Clear.
	10 25	—7.8	760.20	29.964	8.	6.8	.067	.....	69.5	WNW.	1	..	..	Clear.
	12 25	—6.5	758.80	29.902	10.2	8.4	.066	.....	67.	WNW.	1	..	2	Cu., Ci., Ci-s.
	14 25	—5.5	757.80	29.860	12.2	9.6	.062	.....	65.	WNW.	1	..	6	Cu., Ci., Ci-cu.
	16 25	—5.5	758.00	29.867	10.4	9.5	.079	.....	72.	W. by N.	..	..	6	Cu., Ci., Ci-cu.
	18 25	—6.4	758.50	29.890	8.3	7.	.067	.....	71.	W. by N.	..	..	1	Cu., Ci., Ci cu.
	20 25	—7.	758.70	29.901	7.2	6.1	.066	.....	71.	W.	..	..	..	Clear.
	22 25	—7.5	758.50	29.896	7.6	6.5	.067	.....	69.	W. by N.	..	..	..	Clear.
13	0 25	—8.2	758.00	29.878	6.5	5.5	.065	.....	71.	WNW.	..	..	..	Clear.
	2 25	—8.9	757.65	29.870	6.1	5.1	.064	.....	71.2	WNW.	..	..	..	Clear.
	4 25	—9.3	757.50	29.865	5.6	4.7	.064	.....	71.7	W. by N.	..	..	..	Clear.
	6 25	—9.8	757.40	29.863	6.4	5.5	.066	.....	72.	WSW.	..	..	4	S.
	8 25	—9.	757.55	29.866	7.8	6.7	.068	.....	71.	W. by S.	..	..	3	Ci., Ci cu.
	10 25	—8.	757.40	29.855	12.	10.2	.072	.....	69.5	W. by N.	2	..	2	Ci., Ci-cu.
	12 25	—6.2	757.00	29 830	15.5	13.	.075	.....	68.	WNW.	2	..	1	Ci., Ci-cu.
	14 25	—5.	756.80	29.817	17.1	14.4	.078	.....	68.	W. by N.	2	..	..	Clear.
	16 25	—4.2	757.20	29.828	17.8	14.8	.077	.....	68.	W. by N.	2	..	..	Clear.
	18 25	—5.	757.60	29.849	16.	13.7	.079	.....	70.	W. by N.	..	..	1	Cu., Ci-cu.
	20 25	—5.2	757.75	29.856	13.	11.7	.082	.....	73.5	W. by S.	..	..	..	Clear.
	22 25	—5.7	758.10	29.871	14.7	13.3	.087	.....	75.	WSW.	..	..	8	N.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
15	0	25	—4.9	754.70	29.735	13.8	13.	.092	.....	75.1	NNW.	1	..	..	Clear.
	2	25	—5.7	754.70	29.738	13.5	12.6	.089	.....	75.2	NNW.	3	..	4	Cu., Cu s.
	4	25	—6.4	754.15	29.719	12.	11.6	.091	.....	77.	NNW.	2	..	1	Cu-s.
	6	25	—6.8	754.65	29.741	13.	12.5	.093	.....	76.9	NNW.	1	..	1	Ci-s., Cu-s.
	8	25	—6.5	757.25	29.841	13.7	12.1	.081	.....	75.	NNW.	..	..	..	Clear.
	10	25	—5.	758.50	29.884	15.8	13.8	.083	.....	73.6	WNW.	1	..	1	Cu., Ci cu.
	12	25	—3.7	758.10	29.861	18.6	15.7	.081	.....	72.	WNW.	3	..	3	Ci., Cu., Ci cu.
	14	25	—3.	757.90	29.851	20.5	17.3	.085	.....	70.	WNW.	4	..	7	Cu., Ci cu.
	16	25	—3.	758.30	29.866	20.8	17.6	.086	.....	70.	WNW.	3	..	4	Cu., Ci-cu.
	18	25	—3.5	759.45	29.914	18.2	16.4	.095	.....	72.7	W.	..	..	..	Clear.
	20	25	—4.	760.00	29.937	16.2	15.	.095	.....	74.	SW.	..	..	..	Clear.
	22	25	—4.5	760.40	29.956	14.	13.	.090	.....	75.5	WSW.	..	..	..	Clear.
16	0	25	—5.	760.50	29.963	15.3	14.	.091	.....	77.5	SW.	..	..	..	A slight haze.
	2	25	—5.2	760.75	29.974	14.5	13.5	.092	.....	78.2	SW.	..	..	4	Cu., S.
	4	25	—5.6	760.35	29.960	14.5	13.6	.093	.....	77.9	SW. by W.	..	..	2	Cu.
	6	25	—5.9	760.30	29.959	15.6	14.4	.093	.....	78.1	SW.	..	..	7	Ci cu.
	8	25	—5.	760.50	29.963	20.1	18.1	.100	.....	76.5	SW. by W.	..	..	2	Ci., Ci-cu., Cu s.
	10	25	—3.4	760.50	29.955	26.2	22.6	.105	.....	72.	WSW.	..	..	7	Ci., Ci-cu., Cu-s.
	12	25	—1.7	759.60	29.911	29.8	25.1	.108	.....	69.5	WSW.	..	..	8	Ci., Ci-cu., Cu-s.
	14	25	—0.3	758.00	29.841	32.5	26.8	.108	.....	66.5	WSW.	..	..	5	Ci., Ci-cu., Cu s.
	16	25	1.	757.20	29.803	32.8	27.8	.122	.....	67.5	WSW.	..	..	3	Ci., Ci cu., Cu-s.
	18	25	1.	756.70	29.783	29.	26.4	.137	9 P. M.	72.	SW.	..	..	3	Ci., Ci-cu., Cu-s.
	20	25	0.7	756.25	29.767	26.5	24.5	.132	(D. 18.2)	78.	S. by W.	..	..	1	Ci cu. (?)
	22	25	0.5	755.10	29.723	28.3	25.8	.135	(A. 27.)	78.	S.	..	..	1	Ci-cu. (?)

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
17	0	25	0.6	754.50	29.700	29.	26.5	.139	.....	79.	S. by E.	..	..	8	N. (?)
	2	25	0.5	752.80	29.633	29.3	26.8	.140	.....	80.	SSE.	..	..	6	Cu. and N. (?)
	4	25	0.5	751.95	29.599	30.	27.6	.146	.....	81.1	SSE.	..	..	8	N. (?)
	6	25	0.6	752.10	29.605	26.9	25.	.136	9 A. M.:	82.2	S. by E.	..	..	3	Ci., Cu., Ci-cu.
	8	25	0.7	752.60	29.624	29.	27.5	.155	(D. 26.3)	85.	NW.	..	..	8	Ci-cu., N.
	10	25	1.8	752.30	29.608	35.4	31.4	.155	(A. 31 5)	76.5	WSW.	..	..	8	Ci cu., Ci., N.
	12	25	3.2	753.20	29.635	39.4	34.	.154	3 P. M.:	72.5	S.	..	..	8	N.
	14	25	3.8	753.10	29.628	36.7	32.5	.156	(D. 27.2)	75.2	ENE.	..	..	8	N.
	16	25	4.3	754.60	29.686	36.7	32.7	.159	(A. 37.)	76.	NNE.	..	..	7	Ci-cu., N.
	18	25	4.1	756.00	29.741	35.6	31.9	.162	9 P. M.:	77.	NNE.	..	..	8	N.
	20	25	4.1	757.75	29.811	34.4	31.7	.170	(D. 24.)	82.5	NE.	..	..	8	N. (?)
	22	25	3.8	758.80	29.853	32.3	29.5	.154	(A. 33.5)	82.	NE.	..	..	8	N. (?)
18	0	25	3.5	759.75	29.891	29.5	26.6	.135	.....	81.1	NE.	..	..	8	N. (?)
	2	25	2.7	760.80	29.937	26.	24.	.129	.....	81.1	NE.	..	..	..	Clear.
	4	25	1.9	762.25	29.997	24.2	22.3	.122	.....	81.1	N. by E.	..	..	8	N. (?)
	6	25	1.3	762.75	30.020	24.3	22.1	.118	.....	80.2	NE. by N.	..	..	8	N.
	8	25	1.1	763.20	30.038	24.4	21.7	.111	.....	78.7	NE.	..	..	8	Ci-cu., N., Cu-s.
	10	25	1.	763.40	30.046	26.3	23.2	.114	.....	77.2	NNE.	..	..	8	Ci-cu., N., Cu-s.
	12	25	1.8	762.75	30.018	27.4	24.4	.122	4 P. M.:	77.	N.	..	..	8	Ci-cu., N., Cu-s.
	14	25	3.	761.75	29.973	30.2	27.2	.138	(D. 17.8)	77.	NW.	..	..	3	Cu., Ci., Ci-cu.
	16	25	3.9	761.00	29.939	32.1	28.1	.132	(A. 31.8)	75.	SW.by W.	..	..	..	Hazy around Hor.
	18	25	3.6	761.00	29.940	27.6	24.8	.126	9 P. M.:	81.	S.	..	..	..	Hazy.
	20	25	3.	759.70	29.892	27.5	25.7	.141	(D. 22.3)	82.5	S. by E.	..	..	..	Hazy.
	22	25	2.6	758.90	29.864	28.6	27.	.151	(A. 28.5)	84.5	S. by W.	..	..	8	(?)

Date.		Barometer.			Therm'rs, Fah		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
19	0 25	2.4	757.90	29.825	28.3	27.	.154	3 A. M.:	88.	SSW.	..	..	8	(?)
	2 25	2.1	756.20	29.758	29.	26.8	.143	(D. 25.)	88.2	SSW.	..	..	8	Cu., Ci-cu.
	4 25	1.9	754.45	29.691	28.	27.	.157	(A. 30.)	91.1	SW. by S.	..	..	1	S.
	6 25	1.6	752.85	29.630	25.	24.5	.147	9 A. M.:	94.	SW. by S.	..	..	2	Ci., Ci-s.
	8 25	1.8	751.50	29.576	28.9	28.2	.167	(D. 25.5)	94.	SW.	..	..	6	Ci., Ci-cu., Ci s.
	10 25	2.	750.50	29.535	32.	30.6	.176	(A. 31.)	91.	SW. by W.	..	..	8	Ci cu., N., Ci-s.
	12 25	2.4	749.50	29.493	33.8	32.	.181	3 P. M.:	87.	W. by S.	..	..	8	Ci-cu., N., Ci-s.
	14 25	3.	749.50	29.491	38.	34.	.169	(D. 27.8)	78.	W. by N.	1	..	8	Ci-cu., N., Ci-s.
	16 25	3.6	750.60	29.532	38.6	34.1	.165	(A. 39.)	76.5	NW.	..	..	8	Cu., Ci-cu., N.
	18 25	3.4	752.40	29.604	38.4	....	....	.....	71.3	NW.	2	..	6	Cu., Ci-cu., N.
	20 25	3.5	753.60	29.650	36.1	30.	.125	.....	71.5	NW.	2	..	2	Cu., Ci-cu., N.
	22 25	3.	754.70	29.697	33.1	28.5	.130	.....	66.5	NW.	4	..	..	Clear.
20	0 25	2.2	755.50	29.731	31.	26.5	.119	.....	70.	NW.	..	..	..	Clear.
	2 25	1.9	756.15	29.757	29.2	25.	.113	.....	70.7	NW.	..	..	..	Clear.
	4 25	1.3	756.25	29.764	26.	24.	.129	.....	73.	NW.	..	..	..	Clear.
	6 25	0.8	756.45	29.775	23.6	21.	.108	10 A. M.:	72.3	WNW.	..	..	..	Clear.
	8 25	1.	756.20	29.763	26.8	22.5	.099	(D. 23.)	68.	WNW.	..	..	..	Clear.
	10 25	2.	755.35	29.726	32.3	26.3	.103	(A. 31.5)	65.	W.	1	..	..	Clear.
	12 25	3.8	753.45	29.642	38.5	31.7	.129	.....	60.	W. by N.	2	..	..	Clear.
	14 25	4.6	752.30	29.594	40.6	32.3	.108	.....	60.	W.	3	..	½	Ci., Ci-cu.
	16 25	6.	752.40	29.591	43.4	34.2	.112	.....	57.	W. by S.	..	..	1	Ci., Ci-cu., Ci-s.
	18 25	6.	752.15	29.581	39.6	32.6	.126	.....	62.	SW.	..	..	1	Ci., Ci-cu., Ci-s.
	20 25	5.6	751.90	29.570	35.	30.7	.147	.....	71.5	SW.	..	..	1	Ci-cu.
	22 25	5.	751.70	29.568	35.2	30.2	.137	.....	70.	SW.	..	..	1	Ci-cu.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	m.	s.													
22	0	25	6.7	749.70	29.481	35.9	32.5	.165	3 A. M.:	77.2	N.	..	..	8	(?)
	2	25	6.3	749.05	29.456	35.	32.3	.171	(D. 25.5)	79.	N.	..	..	8	(?)
	4	25	5.8	749.30	29.469	33.7	31.1	.167	(A. 34.)	81.2	N.	..	..	4	(?)
	6	25	5.2	750.05	29.502	33.6	30.5	.158	9 A. M.:	79.3	NNE.	..	..	..	Slight haze.
	8	25	5.	751.60	29.564	34.7	31.6	.165	(D. 26.6)	79.8	ENE.	..	..	8	Ci., Ci-cu., Ci-s.
	10	25	6.	751.50	29.555	37.5	34.5	.184	(A. 35.5)	81.5	ENE.	..	..	6	Ci , Ci s.
	12	25	7.3	751.25	29.539	41.6	38.	.206	.....	79.8	NE.	..	..	6	Light Ci.
	14	25	8.9	750.40	29.498	45.1	40.6	.220	.....	76.6	NW.	..	..	2	S., hazy.
	16	25	10.2	750.55	29.498	44.8	39.4	.199	.....	75.	NNW.	..	..	..	S., hazy.
	18	25	10.9	750.45	29.492	38.5	35.5	.192	.....	82.	N. by E.	..	..	..	S., hazy.
	20	25	8.3	749.85	29.479	34.	32.5	.186	.....	89.	NE. by E.	..	..	..	S., hazy.
	22	25	7.	748.75	29.443	31.	30.	.176	.....	93.4	S.	..	..	..	Clear.
23	0	25	7.5	747.65	29.397	33.	30.5	.164	3 A. M.:	82.6	SW. by S.	..	..	..	Clear.
	2	25	5.9	746.95	29.377	31.1	29.7	.170	(D. 36.6)	87.8	SW. by S.	..	..	..	Clear.
	4	25	5.2	745.45	29.321	32.	30.5	.174	(A. 31.4)	87.	SW.	..	..	..	Clear.
	6	25	4.8	744.70	29.294	32.9	31.	.173	.....	85.9	S. by W.	..	..	..	Clear.
	8	25	5.5	744.75	29.291	36.1	34.	.191	.....	86.	SW.	..	..	½	Ci-s.
	10	25	6.8	745.00	29.295	43.8	40.3	.228	.....	80.	SSW.	..	..	½	Ci-s., Ci-cu.
	12	25	9.8	745.80	29.314	57.	51.5	.332	.....	62.	WNW.	2	..	3	Cu., Ci cu.
	14	25	10.	747.70	29.387	44.8	39.2	.195	.....	72.	N.	4	..	7	Cu., Ci-cu.
	16	25	9.7	751.00	29.518	40.5	35.5	.170	.....	74.3	NNE.	..	..	2	Cu., Ci-cu., Ci-s.
	18	25	8.6	755.25	29.691	34.	....	....	.....	69.	NNE.	..	..	8	N.
	20	25	7.	756.75	29.757	29.5	....	....	.....	63.5	NNE.	3	..	8	N.
	22	25	5.5	759.25	29.862	26.	....	....	.....	63.5	NNE.	..	..	8	N.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	m.	s.													
24	0	25	4.	760.75	29.930	24.	20.	.088	.....	63.	N.	..	..	8	N.
	2	25	3.2	762.40	29.996	22.6	18.7	.083	.....	61.1	NNE.	..	..	8	N.
	4	25	2.1	763.35	30.040	21.	18.8	.102	.....	64.9	NNE.	..	..	8	N.
	6	25	1.4	764.55	30.091	20.5	17.9	.094	.....	66.7	NNE.	..	..	8	N.
	8	25	1.3	765.00	30.108	20.	17.2	.069	.....	70.	NE.	..	..	8	N., snowing.
	10	25	0.8	764.90	30.108	19.4	18.	.106	.....	78.5	E.	..	..	8	N., snowing.
	12	25	0.8	764.20	30.080	20.9	20.2	.123	3 P. M.:	87.	ENE.	..	..	8	N., snowing.
	14	25	1.	763.30	30.042	21.	20.	.119	(D. 15.3)	87.	NE.	..	..	8	N., snowing.
	16	25	1.4	763.00	30.029	23.7	21.7	.118	(A. 22.4)	83.	NE. by N.	..	..	6	Ci., Cu., Ci cu.
	18	25	1.8	763.65	30.053	19.5	18.5	.112	.....	87.5	S. by W.	..	..	8	Very hazy.
	20	25	0.2	764.00	30.075	16.6	16.4	.111	.....	91.9	SSW.	..	..	..	Clear.
	22	25	—0.3	764.75	30.107	15.5	15.4	.108	.....	94.	SSW.	..	..	..	Clear.
25	0	25	—1.2	764.65	30.107	14.9	14.9	.107	3 A. M.:	94.3	W.	..	..	..	Clear.
	2	25	—2.1	764.90	30.121	13.1	....	....	(D. 11.8)	94.	W.	..	..	1	Ci-s.
	4	25	—2.8	764.90	30.125	11.	....	....	(A. 12.)	93.	W.	..	..	..	Clear.
	6	25	—3.2	765.35	30.145	11.	....	....	.....	96.	W. by S.	..	..	..	Foggy.
	8	25	—3.	766.00	30.169	15.7	15.7	.110	.....	93.5	WSW.	..	..	6	Ci., Ci s., Cu s. (?)
	10	25	—2.	766.50	30.184	21.8	21.7	.137	.....	93.	SW.	..	..	8	Ci., S.
	12	25	—0.6	766.00	30.157	25.8	25.2	.150	3 P. M.:	91.	SW.	..	..	7	Ci., S., Ci-cu.
	14	25	0.5	765.00	30.112	30.3	28.6	.160	(D. 21.6)	85.3	SW.	..	..	8	Ci., S., Ci-cu., Cu.
	16	25	1.	765.40	30.125	30.	28.5	.161	(A. 30.5)	85.	SW.	..	..	8	Ci., Ci-cu., S., N.
	18	25	1.2	764.75	30.100	29.3	28.4	.166	9 P. M.:	90.	SW.	..	..	8	Hazy, S. (?)
	20	25	1.5	764.20	30.077	30.	28.7	.164	(D. 28.)	89.	S.	..	..	8	Hazy, S. (?)
	22	25	1.3	764.30	30.081	30.2	29.	.167	(A. 30.)	89.	SSW.	..	..	8	Hazy, S. (?)

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
26	0	25	1.2	764.30	30.082	30.5	29.5	.172	3 A. M.:	89.6	WSW.	..	..	8	N., (?)
	2	25	1.3	763.10	30.033	30.	29.4	.176	(D. 27.8)	91.8	SE.	..	..	8	N., (?)
	4	25	1.3	762.80	30.022	30.5	29.6	.174	(A. 30.2)	90.9	NE.	..	..	8	N., (?)
	6	25	1.4	763.45	30.047	31.1	30.	.175	9 A. M.:	90.2	NNE.	..	..	8	N., Ci-cu., Cu s.
	8	25	2.	763.40	30.042	33.2	31.5	.179	(D. 29.2)	88.5	E.	..	..	8	N., Ci-cu., Cu-s.
	10	25	4.	763.40	30.033	38.3	36.8	.219	(A. 36.)	84.	W.	..	..	..	Hazy.
	12	25	6.1	762.75	29.997	43.	38.3	.195	3 P. M.:	77.	NNE.	..	..	3	Ci., Ci-s.
	14	25	7.7	761.80	29.952	46.6	41.2	.216	(D. 29.5)	70.5	SE.	..	..	3	Ci., Ci-s.
	16	25	8.5	761.40	29.932	46.3	40.8	.210	(A. 46.7)	70.	SW.	..	..	7	Ci., Ci-s., Ci cu.
	18	25	9.	761.70	29.943	41.	37.	.192	9 P. M.:	75.4	SSW.	..	..	8	Ci., Ci cu.
	20	25	9.	761.20	29.923	39.6	37.6	.220	(D. 36.)	87.	S by W.	..	..	8	N.
	22	25	8.7	759.90	29.873	38.3	37.	.223	(A. 38.8)	91.	S.	..	..	8	N.
27	0	25	8.5	758.00	29.798	37.4	36.9	.231	3 A. M.:	93.7	ESE.	..	..	8	N., raining.
	2	25	8.2	755.65	29.707	38.7	38.5	.249	(D. 39.)	92.3	SSE.	..	..	8	N., raining.
	4	25	8.5	753.95	29.639	41.	40.8	.270	(A. 39.)	92.	SSE.	..	..	8	N., raining.
	6	25	8.6	752.95	29.601	41.9	41.6	.277	9 A. M.:	91.6	SSW.	..	..	8	N., raining.
	8	25	8.8	752.70	29.589	41.7	41.6	.279	(D. 40.6)	91.5	SW.	..	..	8	N., dense fog.
	10	25	8.9	752.25	29.571	42.2	42.	.281	(A. 42.)	91.	W.	..	..	8	N., raining moderately.
	12	25	9.1	752.60	29.584	43.	42.	.272	3 P. M.:	89.	W.	..	..	8	N., Ci-cu.
	14	25	9.	752.85	29.594	42.1	39.5	.231	(D. 37.5)	82.5	WNW.	..	..	7	N., Ci cu., Cu.
	16	25	9.2	754.25	29.648	44.5	42.4	.264	(A. 43.5)	73.8	NW.	..	..	7	Ci., Ci-cu., Ci-s., N.
	18	25	9.8	756.25	29.724	42.1	42.	.282	.....	75.	NW.	..	..	3	Ci., Ci-cu., Ci s., N.
	20	25	8.7	757.25	29.769	38.	38.	.246	.....	78.5	NW.	..	..	..	Clear.
	22	25	9.	758.30	29.808	32.1	31.8	.195	.....	86.	SSW.	..	..	..	Clear.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
1	0	15	7.4	758.40	29.820	36.1	33.9	.188	3 A. M.:	81.8	SW.	..	..	5	Ci s.
	2	15	6.8	757.90	29.804	36.2	34.	.189	(D. 31.5)	82.3	SW. by S.	..	..	3	Ci-s., Cu.
	4	15	6.2	757.05	29.773	32.5	31.5	.186	(A. 34.5)	90.	SW.	..	..	..	Hazy.
	6	15	5.6	756.70	29.762	31.5	31.	.187	.....	91.8	SSW.	..	..	2	Ci., Ci-cu., Ci-s.
	8	15	5.7	757.15	29.779	37 5	36.1	.214	.....	85.2	SW. by W.	..	..	7	Ci-cu.
	10	15	6.1	757.10	29.775	40.1	38.3	.229	.....	....	SW.	..	..	3	Ci-cu.
	12	15	6.3	757.20	29.778	43.6	40.	.224	.....	....	WSW.	..	..	2	Ci-cu.
	14	15	9.5	757.35	29.769	48.1	41.3	.201	.....	....	W. by N.	..	..	½	Ci-cu.
	16	15	10.5	757.35	29.764	54.3	40.3	.166	.....	54.	WNW.	..	..	..	No clouds, hazy.
	18	15	12.1	758.70	29.809	47.5	41.	.201	9 P. M.:	62.	W. by N.	..	..	..	No clouds, hazy.
	20	15	10.3	758.95	29.828	41.	40.5	.263	(D. 37.5)	69.	S. by W.	..	..	..	Clear.
	22	15	9.2	758.90	29.831	36.8	34 5	.192	(A. 39.)	78.	W.	..	..	..	Clear.
2	0	15	8.	758.50	29.821	34.	33.6	.207	.....	83.	S. by W.	..	..	..	Clear.
	2	15	7.3	758.55	29.827	32.1	30.1	.166	.....	83.3	W. by S.	..	..	1	Ci s.
	4	15	6.4	758.70	29.837	32.4	29.6	.155	.....	86.1	WSW.	..	..	1	Ci-s. (?)
	6	15	6.1	758.95	29.848	30.9	30.	.177	.....	90.	SSW.	..	..	8	Ci., Ci s., Cu.
	8	15	6.4	760.20	29.896	37.9	35.	.190	.....	78.2	NNW.	..	..	5	Ci., Ci-s.
	10	15	8.4	760.50	29 898	47.8	39.8	.173	.....	63.5	N.	..	..	3	Ci., Ci-s.
	12	15	11.	760.25	29.875	52.	42.5	.182	3 P. M.:	60 7	NE.	..	..	6	Ci.
	14	15	11.8	759.30	29.834	53.5	43.5	.187	(D. 41.8)	62.	E.	..	..	7	Ci.
	16	15	12.2	759.50	29.840	52.3	43 4	.198	(A. 53.7)	62.1	E.	..	..	8	Ci , Ci s.
	18	15	11.8	759.65	29.848	47.5	47.1	.334	9 P. M.:	70.5	ENE.	..	..	8	Ci., Ci-s.
	20	15	11.	759.45	29.813	41.5	40.8	.264	(D. 36.2)	77.2	ENE.	..	..	5	Ci., Ci-s.
	22	15	10.2	758.60	29.814	40.1	40.	.263	(A. 41.5)	81.9	ENE.	..	..	4	Ci., Ci-s.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
3	0	15	9.2	757.35	29.770	37.4	34.8	.191	.....	86.2	NE.	..	..	8	Ci., Ci-s., halo.
	2	15	8.4	756.80	29.752	35.8	33.6	.186	.....	87.6	NE.	..	..	8	Ci., Ci-s.
	4	15	7.4	755.90	29.722	35.2	33.	.182	.....	87.	NE by N.	..	..	8	(?) Very dark.
	6	15	6.9	755.70	29.716	34.4	32.5	.182	9 A. M.:	88.7	NE. by N.	..	..	8	N. (?) and Ci.
	8	15	6.8	756.05	29.730	36.	33.5	.182	(D. 28.)	85.4	NE.	..	..	8	Ci., Ci-s., Ci cu.
	10	15	7.1	756.15	29.732	41.	37.5	.203	(A. 39.4)	82.1	NE.	..	..	5	Ci., Ci s.
	12	15	9.8	754.50	29.657	47.5	41.3	.208	.....	76.	ENE.	..	..	3	Ci.
	14	15	10.7	754.75	29.662	49.	42.7	.218	.....	74.3	ENE.	..	..	2	Ci.
	16	15	11.3	754.30	29.641	49.1	42.6	.216	.....	72.8	ENE.	..	..	5	Ci.
	18	15	11.8	755.15	29.672	45.2	40.5	.216	9 P. M.:	76.2	NE.	..	..	8	Ci., Ci-cu., Ci-s.
	20	15	11.	755.95	29.706	42.	38.5	.212	(D. 35.)	80.2	NE.	..	..	6	Ci., Ci-cu., Ci-s.
	22	15	10.	755.95	29.711	37.8	35.5	.200	(A. 38.)	87.	NE.	..	..	½	Ci.
4	0	15	8.9	756.70	29.746	35.7	34.	.196	3 A. M.:	89.1	N.	..	..	7	Ci s.
	2	15	8.	757.15	29.768	34.5	32.4	.179	(D. 28.)	87.2	N.	..	..	1	Ci-s.
	4	15	7.2	758.35	29.819	34.9	31.6	.163	(A. 35.)	82.4	NNE.	..	..	8	Ci-cu., Cu.
	6	15	6.7	759.90	29.882	33.4	29.3	.140	.....	77.2	N.	..	..	8	Ci cu., Cu-s.
	8	15	7.	761.70	29.952	33.4	28.7	.129	.....	74.	NNE.	..	..	4	Ci-cu., Ci.
	10	15	7.	762.20	29.971	35.	29.	.118	.....	67.5	NNE.	..	..	3	Ci., Ci-cu., Cu-s.
	12	15	8.4	762.30	29.967	39.4	32.2	.119	.....	63.5	N.	..	..	6	Ci-cu., Cu-s.
	14	15	9.	762.10	29.957	41.8	34.2	.128	.....	63.	NW.	..	..	7	Ci cu., Cu-s.
	16	15	9.	762.40	29.969	41.6	34.3	.133	.....	62.5	NW.	..	..	6	Ci-cu., Cu-s.
	18	15	10.	763.50	30.007	38.3	....	....	.....	65.	NW.	..	..	½	Ci., Ci-s.
	20	15	8.	765.00	30.076	34.	....	....	.....	69.4	NNE.	..	..	1	Ci., Ci-s.
	22	15	6.5	766.70	30.152	30.5	27.8	.145	.....	68.	NNE.	..	..	1	Ci., Ci s., halo.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
5	0	15	5.7	767.95	30.204	27.9	24.9	.124	.....	70.	N.	..	..	8	Ci., Ci-s.
	2	15	4.3	768.90	30.248	24.1	23.4	.139	.....	67.	NE. by N.	..	..	6	Ci., Ci-s., S.
	4	15	2.9	769.75	30.289	22.	20.5	.117	.....	68.	NNE.	..	..	5	N., Ci-s., Ci., Cu s.
	6	15	2.1	771.05	30.343	21.	20.	.119	.....	65.8	N.	..	..	6	Ci., Ci-s., S., Ci-cu.
	8	15	1.4	771.80	30.377	21.6	17.	.069	.....	61.5	NNE.	..	..	7	Ci., Ci s., Cu-s., S.
	10	15	1.7	772.30	30.394	22.8	18.1	.072	.....	61.5	NNE.	..	..	8	Ci., Ci-cu., Ci-s.
	12	15	2.3	771.70	30.368	26.8	22.5	.098	.....	58.3	NE.	..	..	8	Ci-s.
	14	15	3.	771.00	30.336	29.3	24.3	.100	.....	59.	NNE.	..	..	5	Ci., Ci cu.
	16	15	1.7	770.60	30.327	29.5	24.	.093	.....	60.	ENE.	..	..	8	Ci., Ci cu., N.
	18	15	2.8	770.40	30.314	28.	24.	.108	.....	61.5	ENE.	..	..	8	Ci., Ci-cu, N.
	20	15	2.5	770.00	30.299	28.	24.2	.112	.....	62.1	ENE.	..	..	8	Ci., Ci-cu., N.
	22	15	2.8	769.90	30.295	27.4	24.	.114	.....	62.1	E. by S.	..	..	8	N. and (?)
6	0	15	1.6	768.50	30.245	25.9	22.8	.112	.....	63.4	ENE.	..	..	8	Ci-cu., Ci-s., N.
	2	15	1.3	767.65	30.213	26.1	22.5	.105	.....	68.2	E.	..	..	8	N., Ci-s., Ci-cu.
	4	15	0.8	767.10	30.194	26.8	24.5	.129	.....	71.9	ENE.	..	..	8	N.
	6	15	0.6	765.70	30.140	25.1	24.9	.152	9 A. M.:	88.9	ENE.	..	..	8	N., snowing.
	8	15	0.2	764.30	30.187	24.8	24.6	.151	(D. 20.8)	91.3	ENE.	1	..	8	Snowing fast.
	10	15	0.4	762.00	29.995	27.3	27.	.164	(A. 24.5)	90.5	ENE.	3	..	8	Snowing.
	12	15	1.2	759.00	29.873	33.1	32.	.188	3 P. M.:	91.3	ENE.	4	..	8	Rain and hail.
	14	15	1.7	754.20	29.683	33.6	33.5	.209	(D. 27.6)	89.5	ENE.	4	.20	8	Raining.
	16	15	2.	750.50	29.535	34.7	34.1	.208	(A. 34.)	90.	ENE.	7	.25	8	Raining.
	18	15	2.1	745.50	29.337	37.	36.6	.231	9 P. M.:	90.	ENE.	7	.25	8	Raining.
	20	15	3.8	740.00	29.113	43.	43.	.293	(D. 43.)	89.	ENE.	5	.25	8	Raining.
	22	15	4.4	738.20	29.039	43.5	43.5	.299	(A. 44.3)	90.	ENE.	..	.63	8	Raining.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
8	0 15	6.6	748.35	29.428	35.6	34.5	.206	3 A. M.:	89.	WNW.	..	..	8	Ci-cu., N.
	2 15	6.2	748.85	29.451	34.5	33.8	.204	(D. 31.8)	91.8	SW.	..	..	8	Ci-cu., Cu., Cu-s., N.
	4 15	5.8	749.15	29.463	35.	34.1	.205	(A. 34.8)	89.3	WSW.	..	..	8	Ci-cu., Cu., N.
	6 15	5.6	749.45	29.476	35.	34.1	.205	9 A. M.:	88.8	SW. by W.	..	..	8	Ci-cu., S.
	8 15	5.8	752.30	29.588	37.6	34.1	.176	(D. 31.)	77.	W.	..	..	7	Ci-cu., Ci., Cu.
	10 15	6.9	753.60	29.634	36.6	33.6	.177	(A. 37.)	78.9	WNW.	1	..	8	Ci-cu., N.
	12 15	6.6	754.00	29.651	38.6	33.7	.157	3 P. M.:	71.5	WNW.	4	..	8	Ci-cu.
	14 15	7.	754.50	29.670	38.6	33.6	.155	(D. 26.6)	70.	WNW.	2	..	8	Cu., Ci-cu.
	16 15	6.3	755.80	29.723	36.6	32.	.153	(A. 37.4)	71.	WNW.	2	..	8	Cu., Ci-cu.
	18 15	5.8	757.40	29.789	35.	31.5	.161	9 P. M.:	71.4	WNW.	2	..	8	Cu., Ci-cu.
	20 15	5.3	759.00	29.853	33.6	31.5	.175	(D. 28.3)	80.3	WNW.	..	..	7	Cu., Ci-cu.
	22 15	4.8	760.50	29.916	33.8	30.5	.156	(A. 33.)	78.	W.	..	..	8	Cu., Ci-cu.
9	0 15	4.5	761.30	29.948	35.	30.5	.143	3 A. M.:	72.3	NW.	..	..	8	Cu., Cu-s.
	2 15	4.	761.90	29.975	33.7	29.3	.136	(D. 23 1)	71.2	WNW.	..	..	8	Ci-cu., Cu., Cu-s.
	4 15	3.8	762.65	30.004	33.9	29.5	.137	(A. 34.)	71.	NW.	..	..	8	Cu., N., S., Cu-s., Ci-cu.
	6 15	3.5	764.15	30.064	33.2	30.1	.155	.....	70.7	NW. by W.	..	..	7	Cu., Cu-s., Ci-cu.
	8 15	4.3	766.40	30.149	34.3	30.7	.153	.....	69.2	WNW.	..	..	5	Cu., Ci-cu.
	10 15	4.7	766.50	30.152	35.6	31.	.145	.....	69.	NW.	..	..	½	Ci., Cu.
	12 15	6.5	766.80	30.156	38.3	32.3	.133	.....	67.	NW.	..	..	7	Ci., Ci cu., Ci-s.
	14 15	6.5	767.00	30.163	39.5	33.5	.142	.....	65.6	NW.	..	..	1	Ci., Cu-s.
	16 15	7.3	767.65	30.185	39.4	33.	.134	.....	65.	WNW.	..	..	8	Ci., Ci-cu., Ci-s., S.
	18 15	6.7	768.00	30.201	36.5	32.	.153	.....	66.8	NW.	..	..	4	Ci., Ci-cu., Ci-s., S.
	20 15	6.3	768.35	30.216	34.5	30.6	.150	.....	69.2	NW.	..	..	4	Clouds. (?)
	22 15	5.5	767.35	30.181	30.8	29.	.161	.....	80.2	W. by S.	..	..	8	Cu., Ci-cu.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
10	0 15	5.	766.40	30.146	31.	29.9	.174	3 A. M.:	84.	W. by S.	..	..	1	Cu., Cu-s., hazy.
	2 15	4.6	766.95	30.170	31.1	29.9	.173	(D. 26.1)	86.3	W. by S.	..	..	8	Ci cu., N.
	4 15	4.3	765.95	30.131	32.	30.	.166	(A. 31.4)	85.8	ENE.	..	..	8	Ci-s., N.(?)
	6 15	4.	765.90	30.132	32.4	30.2	.165	9 A. M.:	83.	ENE.	..	..	8	Ci-s., N.(?)
	8 15	4.2	766.70	30.163	32.6	30.6	.170	(D. 28.4)	84.5	ENE.	..	..	8	N., snowing.
	10 15	4.	765.50	30.116	31.9	31.6	.193	(A. 32.5)	91.5	E.	..	..	8	Snowing fast.
	12 15	4.6	764.10	30.057	33.	32.	.189	3 P. M.:	91.	ENE.	..	..	8	Snowing fast.
	14 15	4.7	762.30	29.986	33.5	33.	.201	(D. 31.5)	90.7	ENE.	..	..	8	Snowing fast.
	16 15	4.3	761.40	29.952	32.5	32.2	.198	(A. 33.2)	91.5	ENE.	..	..	8	Snowing fast.
	18 15	4.	760.70	29.928	31.9	31.9	.199	9 P. M.:	91.9	ENE.	..	..	8	Snowing fast.
	20 15	3.8	760.30	29.912	31.5	30.9	.186	(D. 29.)	89 8	ENE.	..	..	8	Snowing fast.
	22 15	3.6	759.40	29.877	31.2	30.6	.184	(A. 31.5)	90.8	ENE.	..	..	8	Snowing fast.
11	0 15	3.3	759.70	29.890	31.2	30.5	.181	3 A. M.:	90.2	NE.	..	..	8	Snowing and raining.
	2 15	3.2	759 45	29.880	30.5	29.8	.177	(D. 27.8)	88.5	N.	..	..	8	N., ceased rain and snow.
	4 15	2.9	760.60	29.929	30.4	29.5	.173	(A. 30.3)	87.2	NNW.	..	..	8	N.
	6 15	2.7	761.55	29.966	30.2	29.3	.172	9 A. M.:	86.3	NNW.	..	..	8	Ci-cu., Cu., S., N.
	8 15	3.2	763.00	30.019	32.2	30.5	.172	(D. 25.3)	82.3	NNW.	..	..	8	Ci-cu., Ci-s.
	10 15	5.	763.80	30.043	34.8	32.	.171	(A. 32.5)	78.5	NNW.	..	..	1	Cu., Ci.
	12 15	6.2	764.20	30.054	37.3	33.1	.159	3 P. M.:	72.6	NNW.	..	..	1	Cu., Ci.
	14 15	6.8	764.15	30.048	39.3	33.3	.141	(D. 27.5)	66.	NW.	..	..	..	Clear.
	16 15	7.	764.50	30.062	40.	33.2	.131	(A. 39.7)	62.5	NW.	..	..	½	Ci-cu. in *S.*
	18 15	7.2	765.90	30.116	36.	33.	.173	.....	67.8	NW.	..	..	½	Ci-cu. in *S.*
	20 15	6.4	766.75	30.154	33.2	30.4	.160	.....	73.	NNE.	..	..	..	Clear.
	23 00	5.3	768.20	30.216	31.3	28.	.140	.....	69.	NNE.	..	..	..	Clear.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
12	0 15	4.6	767.95	30.209	29.6	25.6	.117	.....	67.2	NE.	..	..	6	Ci-s., S.
	2 15	4.	768.05	30.217	27.5	24.5	.122	.....	71.	NNE.	..	..	5	Ci-s., S.
	4 15	3.3	768.00	30.217	26.2	23.5	.120	.....	72.6	NE.	..	..	4	Ci., Ci-s.
	6 15	2.7	768.30	30.232	25.7	23.9	.131	.....	74.9	ENE.	..	..	6	Ci., Ci-cu., Ci-s., Cu.
	8 15	2.5	768.60	30.246	28.5	26.1	.137	.....	73.8	E.	..	..	8	Ci., Ci-cu., Ci s., Cu.
	10 15	2.4	767.50	30.202	31.2	28.3	.146	.....	73.8	E.	..	..	8	Ci., Ci-cu., Ci-s.
	12 15	3.	766.60	30.164	33.1	30.6	.165	3 P. M.:	74.	E.	..	..	8	Cu., Ci-cu., Ci., N.
	14 15	3.2	763.30	30.031	33.1	31.9	.187	(D. 25.8)	79.	E.	..	..	8	N., snowing.
	16 15	3.	761.30	29.955	31.6	30.6	.180	(A. 32.8)	86.7	E.	..	..	8	N., rain and hail.
	18 15	2.8	758.50	29.846	31.7	31.	.185	9 P. M.:	90.8	E.	..	Gauge frozen.	8	N., rain and hail.
	20 15	2.8	755.15	29.715	32.3	31.5	.188	(D. 29.6)	89.2	E.	..		8	N., rain and hail.
	22 15	2.7	750.00	29.512	32.6	32.	.193	(A. 32.5)	90.	E.	..		8	Raining.
13	0 15	2.4	745.70	29.344	34.7	34.6	.218	3 A. M.:	91.	ENE.	..		8	Raining.
	2 15	2.7	741.35	29.171	37.5	37.4	.240	(D. 38.2)	91.2	ESE.	3		8	Raining.
	4 15	3.3	738.50	29.056	37.	36.6	.231	(A. 38.4)	89.2	SW.	3		8	Raining.
	6 15	3.5	742.40	29.208	31.	30.	.176	9 A. M.:	86.1	W. by S.	3		8	Raining.
	8 15	3.7	744.50	29.291	32.3	31.8	.193	(D. 29.8)	83.	WSW.	1		8	Ci., Cu., Ci-cu., N.
	10 15	4.6	744.85	29.300	38 4	36.	.204	(A. 35.4)	78.5	WSW.	2		4	Ci., Cu., Ci-cu.
	12 15	5.3	745.30	29.315	41.2	36.	.173	3 P. M.:	68.	WSW.	3	..	8	Cu., Ci-cu.
	14 15	6.3	745.00	29.297	42.2	36.3	.167	(D. 30.)	66.3	WSW.	4	..	7	Cu , Ci-cu.
	16 15	6.2	745.70	29.327	41.3	35.7	.165	(A. 42.)	66.5	WSW.	..	..	8	Cu , Ci-cu.
	18 15	6.4	746.80	29.368	40.5	35.	.161	.....	66.8	WSW.	1	..	8	Cu., Ci-cu.
	20 15	6.	748.20	29.425	38.	32.6	.144	.....	67.	W.	2	..	8	Cu., Ci-cu.
	22 15	5.6	749.20	29.466	35.7	32.2	.162	.....	74.	W. by N.	..	..	8	Cu., Ci-cu.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
15	0 15	1.9	760.85	29.943	25.9	23.7	.126	.....	70.2	NW.	..	..	2	Cu-s. (?)
	2 15	1.	762.50	30.011	23.5	20.5	.102	.....	70.	NW.	..	..	2	Cu., Ci-cu.
	4 15	0.	763.50	30.056	21.5	19.3	.104	.....	71.4	NW.	..	..	1	S., Cu s. (?)
	6 15	—0.9	764.85	30.114	20.5	19.	.110	.....	71.8	NW.byN.	..	..	..	Clear.
	8 15	—0.7	765.75	30.148	22.2	19.4	.098	.....	70.5	NW.	..	..	..	Clear.
	10 15	0.	767.00	30.194	24.4	20.7	.095	.....	68.3	NW.	..	..	1	Ci.
	12 15	2.	766.30	30.157	28.	23.5	.101	.....	67.5	NW.	..	..	1	Ci.
	14 15	3.	765.50	30.120	31.2	27.4	.130	.....	66.	N.	..	..	7	Light Ci.
	16 15	3.2	765.10	30.102	32.2	27.7	.125	.....	66.	SW.	..	..	8	Ci., Ci-s.
	18 15	3.4	764.70	30.087	30.1	26.	.119	.....	68.1	S.	..	..	8	Ci., Ci-s.
	20 15	3	765.00	30.100	30.5	27.9	.146	.....	69.9	SE by E.	..	..	8	Ci., Ci-s.
	22 15	2.8	764.65	30.088	30.3	27.9	.148	.....	73.9	SSE.	..	..	8	Ci., Ci-s.
16	0 15	2.3	763.85	30.059	27.5	27.4	.168	3 A. M.:	88.3	SE. by E.	..	..	8	N., snowing.
	2 15	2.	762.45	30.005	27.6	27.5	.169	(D. 27.2)	89.8	ENE.	..	..	8	N., snowing.
	4 15	1.8	761.10	29.953	28.3	28.1	.171	(A. 27.6)	90.3	E.	..	..	8	N., snowing.
	6 15	1.6	760.50	29.930	29.3	29.3	.181	9 A. M.:	90 2	ENE.	..	..	8	Snowing very fast.
	8 15	1.3	760.50	29.932	29.5	29.1	.176	(D. 26.)	89.2	ENE.	1	..	8	Snowing very fast.
	10 15	1.8	760.80	29.942	26.6	26.1	.156	(A. 27.8)	86.	ENE.	2	..	8	Snowing very fast.
	12 15	2.	761.30	29.960	24.6	24.	.143	3 P. M.:	83.	ENE.	1	..	8	Snowing lightly.
	14 15	1.5	762.50	30.010	22.2	21.7	.133	(D. 20.)	84.	NNE.	1	..	8	Snowing fast.
	16 15	1.3	763.50	30.049	23.2	23.	.142	(A. 22.2)	87.	NNE.	1	..	8	Snowing fast.
	18 15	1.4	765.05	30.110	23.9	22.9	.134	.....	83.1	NNE.	1	..	8	Snowing.
	20 15	—0.3	767.10	30.199	23.	22.	.129	.....	81.9	NNE.	2	..	8	Snowing.
	22 15	—0.7	767.30	30.209	22.6	21.	.118	.....	80.	NNE.	2	..	8	Ceased snowing.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
17	0	15	—1.2	768.05	30.241	21.5	20.1	.116	.....	81.2	NNE.	1	..	8	N.
	2	15	—1.7	767.95	30.240	21.5	20.	.114	.....	78.2	NNE.	2	..	8	Snowing.
	4	15	—2.1	767.25	30.214	20.5	19.4	.115	.....	78.2	NNE.	2	..	8	Snowing.
	6	15	—2.6	767.95	30.243	20.	19.3	.119	.....	81.9	NNE.	1	..	8	Snowing.
	8	15	—2.	769.00	30.282	23.1	20.2	.101	.....	70.	NNE.	1	..	8	Ci-cu., N.
	10	15	—1.	768.75	30.269	25.4	22.2	.108	.....	69.	NNE.	4	..	8	Ci., Ci-cu., Ci-s.
	12	15	0.	768.65	30.259	25.3	22.1	.108	.....	68.5	NNE.	4	..	8	Ci., Ci-cu., N.
	14	15	0.	768.00	30.234	25.4	21.5	.097	.....	66.	NNE.	3	..	8	Ci-cu , N.
	16	15	0.	767.40	30.210	26.5	21.8	.090	.....	61.5	NNE.	2	..	8	Ci-cu., N.
	18	15	—0.2	767.25	30.205	26.5	24.5	.132	.....	60.	NNE.	1	..	8	Ci-cu., N.
	20	15	—0.3	766.75	30.186	27.	23.	.103	.....	58.9	NNE.	1	..	8	Ci-cu , N.
	22	15	—0.2	766.30	30.168	27.1	21.9	.086	.....	57.	NNE.	1	..	8	N. (?)
18	0	15	—0.6	764.85	30.112	26.5	21.	.078	.....	55.	NNE.	..	..	8	N.
	2	15	—1.	762.95	30.040	26.1	20.5	.075	.....	55.5	NNE.	..	..	8	N.
	4	15	—1.1	761.55	29.985	27.	21.5	.081	.....	56.4	NNE.	..	..	8	N.
	6	15	—1.2	760.70	29.952	28.	22.5	.086	.....	57.1	NNE.	1	..	8	N., Ci-s.
	8	15	—0.5	759.80	29.913	31.9	27.2	.120	.....	65.3	NNE.	2	..	8	N., raining.
	10	15	0.	760.65	29.945	32.2	30.7	.175	.....	76.	NW.byN.	1	..	8	N., raining.
	12	15	0.8	759.50	29.895	33.6	32.	.183	.....	77.3	NNW.	..	..	8	N., raining.
	14	15	1.5	758.40	29.849	36.7	31.6	.144	.....	73.	N.	..	.36	8	N., raining.
	16	15	2.	758.50	29.850	38.1	33.7	.162	.....	73.5	NNE.	..	.09	8	N., raining.
	18	15	2.6	758.95	29.866	36.6	33.6	.177	.....	76.2	N.	..	.15	8	N., raining.
	20	15	2.9	759.50	29.885	42.	38.	.200	.....	66.1	N.	..	.01	3	N.
	22	15	4.	759.30	29.872	41.6	34.5	.137	.....	63.8	NW.byN.	..	..	3	N.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
19	0	15	3.7	759.15	29.867	39.	32.4	.127	.....	64.1	NW.	..	..	..	Clear.
	2	15	3.4	759.50	29.882	38.3	31.4	.125	.....	64.7	NW.	..	..	..	Clear.
	4	15	3.2	760.15	29.908	36.6	34.9	.201	.....	61.	NW.byN.	2	..	..	Clear.
	6	15	2.8	761.35	29.958	36.9	35.4	.208	.....	59.	NNW.	..	..	..	Clear.
	8	15	4.3	762.60	29.999	41.1	32.2	.100	.....	56.	NW.byW.	2	..	..	Clear.
	10	15	6.	764.10	30.050	45.4	35.8	.119	.....	55.5	NW.	..	..	1	Ci-cu.
	12	15	8.	764.25	30.047	50.	41.7	.186	3 P. M.:	55.3	NW.	..	..	2	Ci-cu.
	14	15	9.	763.65	30.019	54.	41.3	.132	(D. 29.5)	52.	NW.	..	..	..	Clear.
	16	15	10.	763.80	30.019	55.6	44.	.172	(A. 55.1)	52.8	W. by N.	..	..	..	Clear.
	18	15	11.	764.15	30.028	50.	41.4	.180	9 P. M.:	57.7	WSW.	..	..	..	Clear.
	20	15	10.4	764.50	30.045	42.6	36.7	.168	(D. 26.)	62.	SW.	..	..	..	Clear.
	22	15	9.	764.30	30.045	37.	33.	.161	(A. 40.)	73.3	SW.	..	..	..	Clear.
20	0	15	8.3	764.15	30.041	36.5	33.5	.176	3 A. M.:	75.3	SW. by S.	..	..	..	Clear.
	2	15	7.4	763.45	30.018	34.5	32.4	.178	(D. 27.2)	80.8	SSW.	..	..	..	Clear.
	4	15	6.7	762.90	30.000	34.3	31.9	.175	(A. 33.6)	82.	SSW.	..	..	..	Clear.
	6	15	6.3	762.90	30.002	35.	32.5	.175	9 A. M.:	80.6	SW.	..	..	..	Clear.
	8	15	7.	763.00	30.002	40.3	37.	.200	(D. 32.8)	80.	SW.	..	..	..	Clear, (hazy.)
	10	15	8.3	762.75	29.986	51.	45.1	.250	(A. 44.6)	74.	SSW.	..	..	..	Clear, (hazy.)
	12	15	11.5	762.10	29.946	62.7	52.5	.293	3 P. M.:	65.	SW. by S.	..	..	..	Clear, (hazy.)
	14	15	12.5	761.40	29.914	66.5	54.5	.300	(D. 42.5)	61.	SW. by S.	..	..	..	Clear, (hazy.)
	16	15	14.2	761.35	29.904	67.3	53.2	.258	(A. 69.5)	55.8	W.	..	..	6	Cu., Ci-cu.
	18	15	14.9	762.00	29.924	64.	51.5	.253	9 P. M.:	57.2	W.	..	..	8	Cu., Ci-cu.
	20	15	14.9	762.70	29.952	58.3	50.	.280	(D. 44.)	67.	.....	..	..	8	N.
	22	15	14.9	763.20	29.971	55.8	47.1	.241	(A. 57.)	67.	.....	..	..	8	N.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
22	0 15	10.	768.45	30.202	37.5	34.	.174	3 A. M.:	76.2	NE. by E.	..	..	2	Cu-s , (?) Ci-cu., Ci-s.
	2 15	9.1	768.95	30.226	34.8	32.	.171	(D. 26.9)	81.	ENE.	..	..	5	Cu s., (?) Cu., Ci-cu.
	4 15	8.	769.15	30.238	33.	30.5	.164	(A. 33.5)	83.6	ENE.	..	..	5	N., (?) Cu., Ci-cu.
	6 15	7.2	769.70	30.265	32.5	29.9	.159	9 A. M.:	83.3	E. by N.	..	..	7	Ci., S., Ci s.
	8 15	7.	770.10	30.282	35.8	32.2	.160	(D. 25.2)	81.	ENE.	..	..	1	Ci., Ci-s., Ci cu., S.
	10 15	8.	769.90	30.268	41.6	36.9	.183	(A. 38.)	78.2	E.	..	..	3	Ci., Ci s., Ci.cu., S.
	12 15	9.5	769.00	30.226	49.	41.7	.198	3 P. M.:	72.	ESE.	1	..	4	Light Ci. and S.
	14 15	10.2	767.60	30.168	49.5	42.1	.200	(D. 28.8)	71.	SE.	1	..	7	Ci., S.
	16 15	10.2	767.00	30.144	44.5	39.1	.194	(A. 47.7)	75.4	SE.	1	..	8	Ci., S.
	18 15	10.	766.75	30.136	39.8	36.6	.199	9 P. M.:	81.	SE.	..	..	8	Ci., S.
	20 15	9.3	766.10	30.113	38.	36.	.207	(D. 32.3)	89.	ENE.	..	..	8	Cu., Ci-cu.
	22 15	8.5	764.35	30.048	39.	37.1	.217	(A. 38.2)	91.3	E.	..	..	8	Very dark.
23	0 15	8.3	762.80	29.988	40.6	39.	.237	3 A. M.:	90.2	ENE.	..	..	8	Cu , Ci-cu., N.
	2 15	8.2	760.65	29.904	42.	41.	.263	(D. 40.2)	91.4	E.	..	..	8	Cu., Ci cu., N.
	4 15	8.3	758.90	29.835	46.3	44.6	.291	(A. 43.7)	89.	E. by S.	..	..	8	Cu., Ci-cu., N.
	6 15	8.6	757.45	29.777	51.9	49.6	.342	9 A. M.:	88.5	S. by E.	1	..	8	N., Cu.
	8 15	10.2	755.75	29.702	56.7	53.	.373	(D. 46.3)	84.	S.	6	..	8	Cu., Ci-cu., S.
	10 15	11.3	755.00	29.668	57.2	53.	.367	(A. 57.)	85.2	S.	3	..	8	Cu., Ci-cu., S. and N.
	12 15	12.5	752.80	29.577	60.6	56.6	.423	3 P. M.:	83.5	S.	3	..	8	Ci-cu., N.
	14 15	13.3	751.70	29.528	57.	55.5	.434	(D. 50.5)	91.	S.	2	..	8	N., raining.
	16 15	13.6	752.80	29.571	50.2	48.	.324	(A. 56.5)	87.	NW.	..	..	8	N., raining.
	18 15	12.7	754.75	29.652	43.8	40.5	.232	9 P. M.:	79.2	WNW.	..	..	2	Cu., Ci-cu.
	20 15	11.9	756.75	29.733	40.5	37.5	.208	(D. 29.)	80.	WNW.	..	..	..	Clear.
	22 15	10.9	757.45	29.767	38.	35.5	.198	(A. 39.6)	81.2	WNW.	..	..	..	Clear.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
24	0 15	9.9	757.90	29.788	36.8	34.	.183	3 A. M.:	78.3	WNW.	..	..	..	Clear.
	2 15	9.	757.85	29.792	32.5	31.1	.179	(D. 28.1)	86.8	WNW.	..	..	..	Clear.
	4 15	8.	758.15	29.807	32.1	31.2	.185	(A. 33.3)	90.6	WNW.	..	..	..	Clear.
	6 15	7.2	759.45	29.862	31.5	30.7	.182	9 A. M.:	91.2	W.	..	..	..	Clear.
	8 15	8.	760.25	29.890	39.3	37.8	.228	(D. 33.)	87.3	WSW.	..	..	..	Clear.
	10 15	9.6	760.80	29.904	47.7	44.5	.273	(A. 43.6)	79.	S.	..	..	..	Clear.
	12 15	11.8	760.70	29.889	54.1	44.1	.193	3 P. M.:	61.	W.	..	..	..	Clear.
	14 15	12.8	760.00	29.857	57.3	44.6	.168	(D. 38.3)	56.3	W. by N.	..	..	..	Clear.
	16 15	14.8	760.20	29.856	58.2	45.7	.182	(A. 58.)	55.5	WNW.	..	..	..	Clear.
	18 15	14.7	760.70	29.876	52.3	45.5	.244	9 P. M.:	66.5	SW. by W.	..	..	..	Clear.
	20 15	14.3	761.90	29.924	49.	42.5	.215	(D. 36.6)	69.3	SW.	..	..	..	Clear.
	22 15	13.2	762.30	29.944	42.5	40.1	.238	(A. 44.2)	86.	SW.	..	..	..	Clear.
25	0 15	12.5	762.85	29.971	40.	38.1	.225	3 A. M.:	87.3	SW.	..	..	..	Clear.
	2 15	11.8	762.95	29.977	38.4	37.2	.226	(D. 36.7)	92.3	SW. by S.	..	..	1	Cu-s. (?)
	4 15	10.7	763.50	30.004	38.	37.	.227	(A. 38 6)	93.7	SW. by S.	..	..	3	Ci-s., S., Cu. (and N?)
	6 15	10.5	764.55	30.047	35.8	35.2	.216	.....	92.5	SW. by S.	..	..	¼	Ci.
	8 15	11.	765.20	30.069	46.	42.2	.242	.....	79.7	SW. by S.	..	..	..	Clear.
	10 15	12.3	765.00	30.056	55.7	48.5	.273	.....	70.3	SW. by S.	..	..	..	Clear.
	12 15	14.	764.60	30.032	61.3	53.	.321	3¾ P. M.:	67.2	SSW.	..	..	..	Clear.
	14 15	16.	764.10	30.002	64.	52.3	.273	(D. 43.)	62.	SW.	1	..	..	Clear.
	16 15	17.5	763.40	29.967	63.5	52.	.271	(A. 64.)	62.	SW.	1	..	2	Ci.
	18 15	16.5	764.30	30.009	56.5	48.5	.265	.....	69.	S. by W.	..	..	8	Ci., Ci-cu.
	20 15	15.6	764.95	30.038	50.5	46.5	.285	.....	74.3	S. by W.	..	..	1	Ci., Ci-cu.
	22 15	14.5	765.00	30.045	46.	42.4	.246	.....	80.8	SSW.	..	..	..	Ci-s. in *S.*

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
26	0 15	13.6	764.60	30.034	43.3	40.	.226	3 A. M.:	82.7	S. by W.	..	..	..	Clear.
	2 15	12.3	763.90	30.013	41.	38.5	.223	(D. 34.2)	85.9	S. by W.	..	..	..	Clear.
	4 15	11.2	763.85	30.016	38.6	36.7	.213	(A. 40.4)	89.5	SSW.	..	..	..	Clear, (slight haze.)
	6 15	10.6	764.00	30.025	38.7	37.5	.228	9 A. M.:	90.7	SSW.	..	..	..	Ci., Ci s.
	8 15	11.	764.20	30.030	47.7	44.7	.277	(D. 40.)	84.3	SSW.	..	..	..	Hazy.
	10 15	12.7	764.00	30.014	58.	51.	.308	(A. 54.)	74.	SSW.	..	..	2	Ci., S.
	12 15	15.	763.20	29.971	63.8	55.	.343	3 P. M.:	71.2	SSW.	1	..	7	Ci., S.
	14 15	16.2	762 15	29.925	68.8	57.8	.363	(D. 48.)	68.	SW.	2	..	2	S.
	16 15	18.2	761.80	29.901	68.6	57.	.343	(A. 69.4)	68.1	SSW.	1	..	2	Ci-s.
	18 15	18.	761.80	29.903	61.5	54.5	.357	9 P. M.:	75.	S.	..	..	..	A little Ci.
	20 15	17.5	762.30	29.924	55.4	50.5	.325	(D. 45.)	82.8	S. by W.	..	..	..	Clear.
	22 15	16.6	762.10	29.920	52.3	50.	.347	(A. 53.4)	90.8	S.	..	..	..	Clear.
27	0 15	15.7	761.55	29.904	51.	49.1	.341	3 A. M.:	92.	SSW.	..	..	8	Very dark, (N.?)
	2 15	15 1	762.70	29.952	52.5	50.1	.348	(D. 46.4)	89.7	SW.	..	..	5	Very dark, (N.?)
	4 15	14.6	761.15	29.893	48.5	47.5	.332	(A. 50.5)	93 9	S.	..	..	4	Very dark, (N.?)
	6 15	14.2	761.10	29.894	47.5	47.	.331	9 A. M.:	91.7	S. by E.	..	..	8	Ci., Ci-s., S.
	8 15	14.7	761.15	29.893	53.6	51.6	.372	(D. 48.7)	89.	SSW.	..	..	4	Light Ci. and S., (hazy.)
	10 15	15.6	761.20	29.890	62.	57.	.417	(A. 57.2)	80.	SSW.	..	..	5	Light Ci. and S., (hazy.)
	12 15	17.4	760.40	29.850	65.3	59.1	.439	3 P. M.:	75.	SW.	..	..	5	Light Ci. and S., (hazy.)
	14 15	18.8	759.55	29.809	70.5	61.4	.446	(D. 54.8)	71.	SW.	..	..	4	Light Ci. and S., (hazy.)
	16 15	19.8	758.70	29.773	70.6	62.4	.475	(A. 71.6)	73.	SSW.	..	..	8	Ci., Ci-s., S.
	18 15	19.9	758.90	29.779	65.	59.	.439	9 P. M.:	77.8	SSW.	..	..	8	Ci., Ci-s., S.
	20 15	19.	758.75	29.778	59.	55.	.397	(D. 52.)	81.	SSW.	..	..	8	Ci., Ci-s., S.
	22 15	18.9	758.55	29.770	56.5	54.	.400	(A. 59.)	88.	SSW.	..	..	..	Hazy.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
29	0	15	15.2	760.75	29.875	48.8	44.6	.263	3 A. M.:	81.5	ENE.	..	..	8	N., raining.
	2	15	14.5	760.25	29.859	47.1	43.4	.257	(D. 38.1)	82.2	E. by N.	..	..	8	N., raining.
	4	15	13.5	760.40	29.869	44.6	42.	.254	(A. 46.6)	85.	E. by S.	..	.01	8	N., raining.
	6	15	12.5	759.35	29.833	42.5	40.5	.247	9 A. M.:	88.9	E.	..	.04	8	N., raining.
	8	15	11.3	759.00	29.824	40.4	39.6	.252	(D. 38.)	92.5	E. by N.	..	.08	8	N., raining.
	10	15	10.9	757.75	29.779	41.	40.4	.261	(A. 40.6)	92.5	E.	..	.03	8	N., raining.
	12	15	10.2	754.80	29.666	40.5	40.1	.261	3 P. M.:	93.	E. by N.	..	.03	8	N., raining.
	14	15	9.4	751.60	29.543	41.1	40.6	.264	(D. 39.)	92.4	E. by N.	..	.04	8	N., raining.
	16	15	9.5	750.80	29.512	41.4	41.1	.272	(A. 41.3)	92.3	NE. by E.	..	.02	8	N., raining.
	18	15	9.5	751.00	29.519	40.3	39.9	.259	9 P. M.:	93.	N.	..	.02	8	N., raining.
	20	15	9.3	752.00	29.559	40.5	39.9	.256	(D. 37.)	91.6	NE. by N.	..	..	8	N., Cu., Ci-cu.
	23	00	9.	752.60	29.585	39.7	39.	.247	(A. 40.5)	91.5	N.	..	..	8	N.
30	0	15	8.7	752.60	29.587	39.	38.7	.250	3 A. M.:	93.1	NNW.	..	..	8	N.
	2	15	8.3	752.70	29.592	39.	38.5	.245	(D. 37.8)	92.2	WNW.	..	..	8	N.
	4	15	8.1	753.10	29.609	39.2	38.8	.249	(A. 39.4)	92.1	SW.	..	..	8	N.
	6	15	7.9	754.70	29.674	40.	39.3	.250	9 A. M.:	91.	WSW.	..	..	8	N., Cu., Ci-cu.
	8	15	8.1	756.25	29.732	41.2	38.2	.214	(D. 33.2)	81.5	N.	..	..	8	Cu., Ci-cu., Ci-s.
	10	15	8.7	757.60	29.783	42.8	39.	.212	(A. 41.8)	77.5	NNE.	..	..	8	Cu., Ci-cu.
	12	15	8.5	758.50	29.818	39.6	36.8	.205	3 P. M.:	81.8	ENE.	..	..	8	Cu., Ci-cu.
	14	15	8.7	759.70	29.865	40.	36.2	.188	(D. 32.2)	77.4	N.	..	..	8	Cu., Ci-cu.
	16	15	8.7	760.85	29.911	42.2	36.8	.176	(A. 42.2)	72.	N.	..	..	8	Cu., Ci-cu.
	18	15	8.6	762.70	29.983	39.	36.	.196	.....	80.	N.	..	..	8	Cu., Ci-cu.
	20	15	8.2	764.95	30.073	37.6	33.9	.171	.....	76.	ENE.	..	..	8	Cu., Ci-cu.
	22	15	7.1	766.45	30.138	34.5	30.5	.148	.....	74.	ENE.	..	..	8	Cu., Ci-cu.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
31	0 15	6.5	767.45	30.181	29.7	27.5	.148	.....	76.1	ENE.	..	..	3	Ci., Ci-s.
	2 15	5.3	767.70	30.196	26.6	25.1	.141	.....	73.2	NE.	..	..	..	Clear.
	4 15	4.4	768.15	30.218	24.5	22.5	.122	.....	74.6	NE.	..	..	..	Clear.
	6 15	3.7	768.80	30.248	24.	22.2	.122	9 A. M.:	77.2	NE.	..	..	6	Cu., Ci., Ci-s., S.
	8 15	4.5	770.00	30.290	31.5	28.5	.146	(D. 24.5)	72.	NE.	..	..	2	Ci., Ci-cu., Ci-s.
	10 15	6.2	769.50	30.262	38.4	34.4	.171	(A. 34.6)	74.5	SSE.	..	..	5	Light Ci., Cu., and Ci-s.
	12 15	7.6	768.00	30.198	41.5	35 8	.163	4½ P. M.:	69.	SSW.	..	..	2	Cu.
	14 15	9.	766.75	30.141	45.7	39.1	.181	(D. 30.)	66.2	SW.	..	..	2	Ci., Cu.
	16 15	10.	765.80	30.098	45.7	39.2	.183	(A. 45.7)	66 5	SSW.	..	..	3	Ci-cu., Cu.
	18 15	9.1	764.90	30.067	41.7	37.	.184	9 P. M.:	73.8	ESE.	..	..	8	Ci-cu., Cu.
	20 15	8.	765.30	30.088	37.	34.	.180	(D. 30.)	80.	S. by E.	..	..	8	Ci-cu., Cu.
	22 15	7.3	764.25	30.051	37.	34.5	.190	(A. 36.5)	82.	S.	..	..	8	Ci-cu., Cu.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
1	0	15	6.8	763.15	30.008	38.	35.8	.203	3 A. M.:	84.3	SSE.	..	..	8	Cu., Ci-cu., N.
	2	15	6.7	761.70	29.953	39.	38.	.235	(D. 36.5)	90.2	S.	..	..	8	N., raining.
	4	15	6.7	760.35	29.900	40.1	39.4	.251	(A. 39.2)	91.	S.	..	.01	8	N., raining.
	6	15	6.8	759.70	29.873	41.4	40.4	.257	9 A. M.:	90.3	S. by W.	..	.01	8	N., Ci-cu , Ci-s., raining.
	8	15	7.4	758.80	29.836	43.8	42.6	.275	(D. 38.5)	89.5	SSW.	..	.01	8	N., Ci-s., raining.
	10	15	8.	758.60	29.825	46.5	44.5	.287	(A. 45.)	87.2	SW.	..	..	8	Ci cu., Ci-s., N.
	12	15	9.	758.25	29.806	50.5	47.	.298	3 P. M.:	81.	WSW.	..	..	7	Ci., Ci-s.
	14	15	10.9	758.15	29.794	56.	49.6	.296	(D. 40.7)	72.	WSW.	..	..	2	Cu., Ci-cu.
	16	15	12.3	758.30	29.793	58.5	49.5	.266	(A. 58.)	66.5	W.	..	..	1	Cu.
	18	15	13.4	759.05	29.816	52.4	48.4	.309	9 P. M.:	80.2	SSW.	..	..	..	Clear.
	20	15	12.8	760.25	29.867	48.5	45.4	.284	(D. 44.)	84.5	SSW.	..	..	..	Clear.
	22	15	12.1	760.35	29.874	45.	43.9	.291	(A. 46.4)	88.2	SSW.	..	..	..	Clear.
2	0	15	11.7	759.85	29.856	45.5	43.5	.277	3 A. M.:	87.3	SSW.	..	..	7	Cu., Ci-cu.
	2	15	11.2	759.50	29.845	43.6	42.5	.276	(D. 40.9)	91.2	SSW.	..	.04	8	N., Cu., rain.
	4	15	10.7	759.00	29.827	42.9	41.5	.263	(A. 44.)	90.8	SE. by S.	..	..	2	Ci-cu., (?) hazy.
	6	15	10.3	758.90	29.826	40.8	40.	.255	9 A. M.:	91.9	NE. by E.	..	..	2	Ci., Ci-cu.
	8	15	11.2	758.40	29.802	53.5	50.2	.339	(D. 43.5)	83.5	SE.	..	..	1	Ci., Ci cu., very hazy.
	10	15	13.	757.60	29.762	61.3	56.	.399	(A. 56.8)	79.	S.	..	..	4	Ci., Cu , Ci-cu.
	12	15	15.	755.70	29.677	64.5	58.3	.425	3 P. M.:	78.	SSW.	..	..	6	Ci., Cu., Ci-cu.
	14	15	17.	753.40	29.579	67.1	60.1	.447	(D. 52.5)	76.3	S.	..	..	7	Ci , Ci cu., Ci-s.
	16	15	17.	750.90	29.481	66.5	59.5	.438	(A. 67.1)	76.	S.	..	..	7	Ci., Ci-s.
	18	15	17.3	752.60	29.546	50.	49.3	.357	.....	91.	WNW.	..	.16	8	N., raining.
	20	15	15.4	754.50	29.631	48.2	45.	.278	.....	81.2	WNW.	..	..	8	Ci-cu., N.
	22	15	13.2	756.00	29.697	43.	38.6	.203	.....	72.	NW.	..	..	..	Clear.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
3	0	15	11.6	758.50	29.803	41.	35.2	.158	3 A. M.:	69.	NW.	..	..	..	Clear.
	2	15	9.8	759.90	29.868	38.5	32.3	.131	(D. 24.)	68.	NW.	..	..	..	Clear.
	4	15	8.3	760.90	29.914	36.9	31.	.133	(A. 37.7)	68.	NW.	..	..	..	Clear.
	6	15	7.6	762.95	29.999	35.9	32.	.160	9 A. M.:	70.1	W.	..	..	..	Clear.
	8	15	8.2	764.30	30.047	39.3	32.3	.122	(D. 19.8)	64.2	NW. by W.	..	..	..	Clear.
	10	15	8.7	765.00	30.073	41.9	33.8	.120	(A. 41.)	59.8	NW.	..	..	..	Clear.
	12	15	9.9	765.25	30.076	45.2	37.	.145	3 P. M.:	58.	NW.	..	..	..	Clear.
	14	15	10.2	765.00	30.065	48.7	39.1	.147	(D. 26.3)	55.7	WNW.	..	..	..	Clear.
	16	15	11.	765.00	30.061	50.	40.8	.168	(A. 49.)	55.2	W. by S.	..	..	1	Ci., Ci-s.
	18	15	11.7	765.35	30.072	47.6	39.9	.176	9 P. M.:	58.	W. by S.	..	..	1	Ci., Ci-s.
	20	15	10.8	766.50	30.123	39.7	36.4	.195	(D. 26.3)	72.	W. by S.	..	..	1	Ci-s.
	22	15	9.7	766.70	30.136	37.6	35.6	.203	(A. 39.)	81.5	SSW.	..	..	2	Ci-, Ci-s.
5	0	15	10.4	751.25	29.524	50.5	50.1	.371	3 A. M.:	90.	SW. by W.	..	..	8	N.
	2	15	10.6	751.30	29.526	48.5	48.	.343	(D. 47.2)	89.4	SW.	..	..	8	N., Ci-cu.
	4	15	10.8	752.15	29.559	50.	46.6	.294	(A. 48.5)	81.7	WNW.	..	..	8	N., Cu., Ci-cu.
	6	15	10.7	754.20	29.640	46.3	41.4	.224	9 A. M.:	72.8	WNW.	..	..	8	N., Ci., Ci-s., S.
	8	15	11.	755.75	29.699	47.	41.	.207	(D. 33.2)	70.	WNW.	..	..	6	Cu., Ci., Ci-s.
	10	15	11.6	757.50	29.765	50.	43.	.215	(A. 48.6)	68.	WNW.	..	..	3	Cu., Ci., Ci cu., Ci-s.
	12	15	13.	757.80	29.770	53.	44.8	.220	3 P. M.:	66.	WNW.	..	..	1	Ci-cu.
	14	15	13.	757.70	29.766	56.3	47.3	.239	(D. 42.2)	62.5	WNW.	..	..	1	Cu.
	16	15	15.4	758.15	29.772	56.	46.8	.231	(A. 56.7)	62.3	W. by S.	..	..	6	Cu., Ci., Ci-cu., Ci-s.
	18	15	14.9	759.00	29.806	53.5	46.5	.253	9 P. M.:	65.	W. by N.	..	..	8	Ci-cu., N.
	20	15	14.	760.65	29.877	48.	45.4	.290	(D. 42.5)	85.	W.	..	..	8	Ci-cu., N., raining slightly.
	22	15	12.8	761.20	29.904	43.2	42.2	.274	(A. 46.5)	93.	W.	..	.02	1	Ci-cu.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
6	0	15	12.	761.30	29.912	43.1	42.3	.277	3 A. M.:	91.8	WSW.	..	..	1	Ci-s., hazy.
	2	15	11.3	760.75	29.894	42.9	42.	.273	(D. 39.2)	91.3	WNW.	..	..	8	N.
	4	15	10.8	761.25	29.916	42.5	41.5	.268	(A. 42.1)	91.	WNW.	..	..	8	N.
	6	15	10.4	762.35	29.960	43.	42.	.272	9 A. M.:	91.3	W. by N.	..	..	8	N.
	8	15	10.	764.00	30.027	44.5	41.	.235	(D. 39.)	80.	NW.	..	..	8	N., Ci., Ci-cu.
	10	15	10.6	764.90	30.061	47.5	42.2	.225	(A. 46.)	75.	WNW.	..	..	6	Cu., Ci-cu., Cu-s.
	12	15	11.9	764.60	30.041	51.1	42.6	.193	3 P. M.:	64.	WNW.	..	..	5	Cu., Ci-cu.
	14	15	12.5	764.70	30.044	54.	44.4	.200	(D. 32.2)	59.	WNW.	..	..	5	Cu., Ci-cu.
	16	15	13.	765.20	30.060	52.5	43.	.186	(A. 53.7)	....	WNW.	..	..	3	Cu., Ci-cu.
	18	15	13.2	765.95	30.088	49.1	43.	.224	9 P. M.:	58.8	WNW.	..	..	..	Ci-s. in Hor.
	20	15	12.	766.85	30.131	43.5	39.	.204	(D. 32.)	70.3	S.	..	..	..	Ci s. in Hor.
	22	15	11.3	766.80	30.132	40.3	37.5	.210	(A. 41.9)	80.3	S.	..	..	..	Ci-s. in Hor.
7	0	15	10.4	766.15	30.110	40.5	36.9	.196	3½ A. M.:	87.2	S.	..	..	8	Cu., Ci-cu., Ci-s.
	2	15	9.8	765.60	30.092	41.5	39.3	.233	(D. 35.)	87.	S.	..	..	8	Cu., Ci-cu., N.
	4	15	9.3	765.70	30.097	41.5	39.1	.229	(A. 40.1)	86.	W. by N.	..	..	8	Cu., Ci-cu., Ci-s.
	6	15	9.2	765.70	30.098	42.	39.4	.229	9 A. M.:	84.2	SW.	..	..	8	Cu., Ci-cu., S.
	8	15	9.9	765.25	30.076	46.	41.7	.232	(D. 31.6)	79.5	NE.	..	..	8	Ci-cu., Cu-s.
	10	15	10.	764.25	30.037	46.8	42.5	.239	(A. 44.2)	79.	ENE.	..	..	8	N., Ci-cu., Cu-s.
	12	15	10.7	762.00	29.947	53.5	47.7	.280	3 P. M.:	76.5	SE.	..	..	8	N., Ci-cu., Cu-s.
	14	15	11.3	759.70	29.852	53.6	46.5	.251	(D. 39.)	72.6	SE.	..	..	8	N., Ci-cu., Cu-s.
	16	15	12.	757.60	29.767	56.5	50.	.300	(A. 55.6)	73.	SSE.	..	..	8	N., Ci-cu., Cu-s.
	18	15	12.8	757.15	29.745	53.4	48.4	.298	9 P. M.:	77.8	NE.	..	..	8	N., Ci-cu., Cu-s.
	20	15	12.5	756.85	29.735	47.5	45.	.286	(D. 42.5)	85.5	NNE.	..	..	4	N., Ci-cu., Cu-s.
	22	15	11.6	756.50	29.725	43.	41.6	.264	(A. 45.5)	90.8	NE.	..	..	7	N., Ci-cu., Cu-s.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
8	0 15	10.7	756.40	29.726	42.3	41.	.259	3 A. M.:	91.5	NE. by N.	..	..	8	N.
	2 15	10.2	755.35	29.687	41.7	40.7	.260	(D. 40.)	92.2	N. by W.	..	..	8	N.
	4 15	9.9	753.85	29.629	41.	40.5	.263	(A. 41.5)	91.8	N.	..	..	8	N., raining lightly
	6 15	9.5	755.45	29.695	41.5	40.5	.258	9 A. M.:	91.5	N. by E.	..	.01	8	N., raining lightly.
	8 15	9.5	756.90	29.751	42.7	41.2	.259	(D. 38.5)	89.	N.	..	..	8	N., Cu., Cu-s.
	10 15	9.7	757.70	29.782	46.2	43.	.259	(A. 42.9)	82.	NNW.	..	..	8	Cu., Ci-cu.
	12 15	10.8	758.00	29.788	50.	45.	.258	3 P. M.:	76.3	NNW.	..	..	8	Cu., Ci-cu., N.
	14 15	12.	757.60	29.767	53.5	46.5	.253	(D. 39.4)	71.6	NW.	..	..	6	Cu., Ci-cu.
	16 15	13.	758.29	29.785	54.	45.6	.227	(A. 53.4)	67.	NW.	..	..	1	Cu., Ci-cu.
	18 15	13.3	758.55	29.797	52.8	47.	.272	.....	57.5	W. by N.	..	..	..	Cu., Ci-cu.
	20 15	12.7	759.45	29.835	46.5	43.	.254	.....	77.1	S. by E.	..	..	..	Clear.
	22 15	11.6	759.30	29.834	41.	40.	.253	.....	91.	SSE.	..	..	..	Clear.
9	0 15	10.5	759.50	29.848	40.	39.5	.254	3 A. M.:	92.7	SSW.	..	..	4	Ci., Ci-s.
	2 15	9.8	759.25	29.842	39.1	39.	.254	(D. 37.8)	93.	S. by W.	..	..	8	Ci., N., Cu.
	4 15	9.3	759.15	29.839	41.	41.	.274	(A. 39.8)	92.3	S. by W.	..	..	6	Ci., N., Cu.
	6 15	9.	759.10	29.839	43.1	42.8	.288	9 A. M.:	91.6	SW. by S.	..	..	8	N., (?) Cu., Ci-cu.
	8 15	10.	757.75	29.782	48.	46.3	.310	(D. 42.8)	87.	SSW.	..	..	7	Ci-cu., Cu-s.
	10 15	11.3	756.90	29.742	56.3	51.3	.334	(A. 52.7)	78.	SSW.	..	..	7	Ci-cu., Cu-s.
	12 15	13.	753.90	29.617	60.2	52.5	.322	3 P. M.:	70.5	SSW.	..	..	2	Ci., S.
	14 15	14.9	751.80	29.525	64.2	55.5	.354	(D. 49.)	70.	SSW.	..	..	3	Ci., Ci-s., Ci-cu.
	16 15	17.1	751.00	29.483	65.6	58.1	.408	(A. 65.2)	75.5	SSW.	..	..	4	Ci., Ci-s., Ci-cu.
	18 15	17.	751.00	29.484	61.3	57.2	.431	9 P. M.:	82.1	SW.	..	..	8	Ci., Ci-s., Ci-cu.
	20 15	16.8	751.35	29.499	58.2	56.	.434	(D. 54.)	89.	SW.	..	..	..	Light Ci-cu.
	22 15	16.6	752.75	29.555	59.5	57.	.446	(A. 58.)	88.1	NNW.	..	..	6	N., Cu., Cu-s.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
10	0	15	16.2	753.55	29.588	56.	51.5	.343	3 A. M.:	81.2	NNE.	..	..	8	N., (?) Cu., Ci-cu., Ci.
	2	15	15.3	753.95	29.609	48.5	44.9	.273	(D. 40.1)	82.9	NNE.	..	..	8	N., (?) Ci., Ci-s.
	4	15	14.	754.80	29.648	43.7	39.2	.207	(A. 47.7)	79.2	NNE.	..	..	6	Cu., Ci-cu.
	6	15	12.7	756.45	29.718	42.1	36.8	.177	9 A. M.:	75.2	NE. by N.	..	..	8	Ci., Ci-cu., S.
	8	15	12.	757.00	29.743	43.5	38.7	.199	(D. 29.)	76.2	NE.	..	..	8	Ci-cu., Cu-s., Cu.
	10	15	11.3	757.65	29.773	42.6	36.6	.168	(A. 43.6)	71.8	ENE.	..	..	8	Ci-cu., Cu-s., Cu.
	12	15	11.	757.60	29.772	42.2	36.3	.166	4 P. M.:	71.5	ENE.	..	..	8	Ci-cu., Cu-s., Cu.
	14	15	10.3	757.60	29.775	40.	35.6	.177	(D. 30.5)	75.5	ENE.	..	..	8	N.
	16	15	8.9	756.70	29.746	33.3	33.3	.209	(A. 33.1)	91.	ENE.	..	..	8	N., snowing.
	18	15	8.	758.20	29.809	32.5	32.5	.203	.....	92.	ENE.	..	..	8	N., snowing.
	20	15	7.7	759.75	29.871	30.8	30.5	.187	.....	89.	ENE.	..	..	8	N., snowing.
	22	15	6.6	760.75	29.916	30.	28.4	.159	.....	84.	ENE.	..	*.15	8	N., stopped snowing.
12	0	15	5.7	767.00	30.166	34.5	33.3	.195	3 A. M.:	77.3	ESE.	..	..	8	N.
	2	15	5.2	766.00	30.129	34.3	31.5	.168	(D. 25.9)	79.1	E.	..	..	8	N.
	4	15	4.8	765.65	30.118	34.6	31.5	.165	(A. 34.4)	77.	E.	..	..	8	N.
	6	15	4.5	766.00	30.133	32.	30.1	.167	.....	82.	ENE.	..	..	8	N., snowing fast.
	8	15	4.	764.40	30.073	30.	29.7	.181	.....	90.5	ENE.	..	..	8	N., snowing fast.
	10	15	4.4	764.00	30.054	32.2	32.	.197	.....	92.	NE. by E.	..	..	8	N., snowing fast.
	12	15	4.9	762.25	29.982	32.8	32.4	.198	3 P. M.:	92.	ENE.	..	..	8	N., snowing fast.
	14	15	3.5	761.60	29.964	32.1	32.	.198	(D. 31.)	92.5	NE. by E.	..	..	8	N., snowing fast.
	16	15	4.3	760.45	29.916	32.	32.	.199	(A. 32.)	93.5	ENE.	..	..	8	N., snowing fast.
	18	15	4.	760.00	29.900	31.2	31.2	.194	9 P. M.:	94.	ENE.	..	..	8	N., snowing fast.
	20	15	3.3	759.60	29.886	30.6	30.	.180	(D. 28.)	92.	ENE.	..	..	8	N., snowing fast.
	22	15	3.	758.75	29.855	31.2	30.	.174	(A. 31.6)	88.	ENE.	..	..	8	N., stopped snowing.

* Snow melted, and the amount is shown by the gauge.

Date. Day.	Hour.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Therm'rs, Fah. Dry.	Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Force, lbs.	Rain, inches.	Sky covered, 8ths.	Clouds, &c.
	h. m.													
13	0 15	....	.....	.....	....	....	....	3 A. M.:	....	.....	..	..	..	
	2 15	2.7	757.35	29.801	31.	29.5	.167	(D. 27.4)	86.9	NNE.	..	..	8	N., Ci cu.
	4 15	2.4	757.95	29.827	31.	29.5	.167	(A. 31.)	84.4	NNW.	..	..	8	N., Cu., Ci., Ci-cu.
	6 15	2.4	759.15	29.873	32.1	30.7	.176	9 A. M.:	84.8	NNW.	..	..	8	N., snowing.
	8 15	4.	759.35	29.874	34.9	32.2	.171	(D. 30.)	78.8	NNW.	..		1	Ci., Ci-s.
	10 15	6.8	759.75	29.875	38.8	35.2	.183	(A. 37.)	79.1	NW.	..	..	7	Ci., Ci-s., S., Ci-cu.
	12 15	8.5	759.25	29.847	42.2	36.9	.177	3 P. M.:	71.8	NW.	..	..	7	Ci-cu., Ci-s.
	14 15	9.7	759.05	29.834	44.1	38.2	.181	(D. 30.)	70.5	NW. by W.	..	..	5	Ci., Ci-cu., Ci-s.
	16 15	10.	759.10	29.834	45.5	40.5	.213	(A. 44.5)	71.	WSW.	..	..	1	Ci., Ci-cu., Ci-s.
	18 15	9.9	758.65	29.817	43.4	39.6	.218	9 P. M.:	74.	SW. by W.	..	..	..	Cu-s. in *W.* Hor.
	20 15	8.8	758.55	29.819	38.5	36.	.202	(D. 30.)	83.	SW. by S.	..	..	..	Cu-s. in *W.* Hor.
	22 15	8.	757.95	29.800	38.	35.7	.201	(A. 38.)	84.1	SW. by S.	..	..	8	Very dark.
14	0 15	7.5	757.00	29.765	40.	37.5	.214	3 A. M.:	83.6	SSW.	..	..	8	N., raining.
	2 15	7.	757.20	29.775	37.1	36.1	.219	(D. 32.9)	92.1	S. by E.	..	.25	8	N., raining.
	4 15	6.3	755.10	29.695	33.7	33.3	.205	(A. 34.9)	93.	NE. by E.	..	.15	8	N., snowing.
	6 15	5.9	755.75	29.724	33.2	33.	.205	9 A. M.)	92.	NE.	..	..	8	N., snowing.
	8 15	6.4	758.75	29.839	36.1	35.2	.213	(D. 33.1)	89.	N.	..	*.10	8	N., Ci-cu.
	10 15	7.6	761.65	29.948	38.6	36.7	.214	(A. 37.)	81.8	NNW.	..	*.25	6	Cu., Ci-cu.
	12 15	8.7	761.45	29.934	42.1	38.6	.213	3 P. M.)	78.7	NNW.	..	..	3	Cu., Ci-cu.
	14 15	9.6	761.85	29.945	45.	40.1	.210	(D. 33.2)	72.1	WNW.	..	..	1	Cu., Ci-cu.
	16 15	9.9	762.45	29.966	46.5	42.5	.243	(A. 47.)	62.4	WNW.	..	..	..	Cu., Ci-cu.
	18 15	10.7	764.55	30.046	42.5	39.7	.231	9 P. M.)	63.2	WNW.	..	..	..	Cu., Ci-cu.
	20 15	8.9	766.80	30.144	40.	33.	.128	(D. 26.)	63.2	NNW.	..	..	6	Cu., Ci-cu.
	22 15	7.7	767.85	30.190	36.5	31.	.136	(A. 37.5)	66.3	NNW.	..	..	..	Clear.

* Gauge shows melted snow.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
15	0	15	6.7	768.35	30.215	34.3	29.9	.140	3 A. M.:	66.7	NW.	..	..	..	Clear.
	2	15	5.7	768.70	30.233	32.5	28.2	.130	(D. 21.4)	69.	NW.	..	..	..	Clear.
	4	15	4.8	769.45	30.267	30.8	27.	.128	(A. 32.)	68.1	NW.	..	..	..	Clear.
	6	15	4.5	770.80	30.322	32.3	29.4	.153	.....	67.	NW.	..	..	..	Clear.
	8	15	5.4	772.40	30.379	35.2	29.7	.128	.....	64.4	NW.	..	..	..	Clear.
	10	15	6.	773.00	30.400	37.9	32.	.139	.....	63.	NNW.	..	.	..	Clear.
	12	15	7.1	772.80	30.387	41.5	34.2	.132	.....	62.2	NNW.	..	..	..	Clear.
	14	15	8.	772.35	30.364	45.	37.	.146	.....	60.5	NW.	..	..	..	Clear.
	16	15	9.3	772.25	30.354	46.6	37.6	.140	.....	58.4	WNW.	..	..	..	Clear.
	18	15	9.6	772.75	30.373	45.1	39.3	.192	.....	61.2	WNW.	..	..	..	Clear.
	20	15	9.	773.35	30.400	39.	34.	.157	.....	65.1	WNW.	..	..	..	Clear.
	22	15	8.	773.35	30.404	35.	31.5	.160	.....	71.	WNW.	..	..	..	Clear.
16	0	15	7.	773.60	30.421	32.4	29.5	.152	.....	74.1	NW. by N.	..	..	..	Clear.
	2	15	6.1	773.50	30.420	29.6	28.3	.162	.....	86.	NW. by N.	..	..	..	Clear.
	4	15	5.2	773.80	30.436	29.2	28.1	.162	.....	86.8	NW. by N.	..	..	1	Ci-s.
	6	15	5.	774.35	30.459	32.9	31.	.173	.....	84.	NW. by N.	..	..	3	Ci-s.
	8	15	6.3	775.00	30.478	42.4	38.9	.215	.....	79.	SW. by S.	..	..	1	Ci., Ci-s.
	10	15	7.9	774.60	30.454	47.4	41.5	.211	.....	67.3	SW.	..	..	1	Ci., Ci-s.
	12	15	10.9	773.85	30.412	52.6	44.4	.214	4 P. M.:	64.	SSW.	..	..	2	Ci., Ci-s.
	14	15	11.3	772.35	30.349	52.9	44.2	.207	(D. 34.5)	63.3	SW.	..	..	6	Ci., Ci-cu., Ci-s., S., Cu.
	16	15	12.	771.60	30.317	54.9	46.	.225	(A. 53.)	65.	SSW.	..	..	1	Ci., Ci-cu., Ci-s.
	18	15	12.	771.00	30.293	47.8	43.3	.246	9 P. M.:	71.3	SSW.	..	..	1	S., Cu-s.
	20	15	11.	771.00	30.298	42.5	39.2	.219	(D. 34.)	75.	SSW.	..	..	..	Clear.
	22	15	10.1	770.00	30.262	40.7	38.6	.228	(A. 41.6)	85.	S.	..	..	1	Ci cu.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
17	0	15	9.5	769.05	30.228	43.	40 5	.241	3 A. M.:	84.3	SSW.	..	..	8	Very dark.
	2	15	9.2	767.90	30.185	43.8	42.	.263	(D. 39.3)	88.	S. by W.	..	..	8	Very dark.
	4	15	9.1	766.90	30.146	44.6	43.5	.287	(A. 44.4)	91.2	SSW.	..	..	8	N., raining.
	6	15	9.2	766.15	30.116	46.3	45.6	.313	9 A. M.:	92.7	SSW.	..	.01	8	N., Ci., Ci-cu.
	8	15	10.	765.45	30.084	49.	48.2	.342	(D. 43.5)	92.3	SSW.	..	..	8	N.
	10	15	10 4	764.60	30.049	51.8	51.	.377	(A. 49.6)	92.	SW.	..	..	8	N.
	12	15	11.3	763.00	29.981	55.	53.5	.404	3 P. M.:	89.5	SW.	..	..	8	N., Ci-cu.
	14	15	12.2	762.00	29.938	57.7	55.	.412	(D. 52.5)	86.	SW.	..	..	8	N., Ci-cu.
	16	15	13.7	760.80	29.885	58.3	56.	.432	(A. 58.6)	87.2	SW.	..	..	8	N., Ci-cu.
	18	15	14.1	760.50	29.871	56.5	55.	.425	9 P. M.:	91.	S. by W.	..	..	8	N., Ci-cu.
	20	15	14.1	759.75	29.841	55.	54.5	.429	(D. 52.)	93.2	S.	..	..	8	N., Ci-cu.
	22	15	14.	757.25	29.743	54.3	54.2	.430	(A. 54.9)	94.5	S.	..	..	8	N., Ci-cu.
19	0	15	10 7	762.40	29.961	37.	31.6	.141	3 A. M.:	64.1	NW.	..	..	..	Hazy.
	2	15	9.4	762.90	29.987	35.5	30.5	.138	(D. 22.9)	66.	NW. by W.	..	..	..	Clear.
	4	15	8.2	763.60	30.019	35.	29.8	.131	(A. 35.5)	66.4	NW. by W.	..	..	..	Clear.
	6	15	7.7	765.10	30.081	35.5	29.6	.123	.....	65.7	NNW.	..	..	..	Clear.
	8	15	8.5	765.90	30.109	38.7	31.5	.123	.....	63.5	WNW.	..	..	..	Clear.
	10	15	9.2	766.15	30.116	43.	35.5	.141	.....	63.	WNW.	..	..	..	Clear.
	12	15	10.2	765.10	30.069	48.	39.5	.163	3 P. M.:	60.5	WSW.	..	..	..	Clear.
	14	15	11.	763.75	30.012	52.4	43.1	.189	(D. 29.8)	57.5	SW.	..	..	..	Clear.
	16	15	12.	763.10	29.982	53.5	43.6	.188	(A. 53.5)	58.5	SW.	..	..	..	Clear.
	18	15	12.6	763.00	29.976	49.	41.8	.199	9 P. M.:	62.1	SW.	..	..	..	Clear.
	20	15	11.4	763.40	29.997	41.4	39.1	.230	(D. 37.)	83.	S. by W.	..	..	..	Clear.
	22	15	10.5	763.35	29.999	41.5	40.	.247	(A. 40.6)	89.8	SSW.	..	..	..	Clear.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
20	0 15	9.9	763.40	30.003	40.	38.6	.236	3 A. M.:	88.9	SW.	..	..	1	Ci-s.
	2 15	9.3	763.15	29.996	41.5	39.6	.239	(D. 36.1)	88.3	SW.	..	..	1	Ci-s., hazy.
	4 15	8.8	763.30	30.005	41.3	39.7	.244	(A. 41.5)	89.1	S. by W.	..	..	8	N., (?) Ci-s., Ci-cu.
	6 15	8.7	763.70	30.022	43.5	41.5	.256	9 A. M.:	87.2	SSW.	..	..	8	N., (?) Ci-s.
	8 15	9.6	764.40	30.045	49.8	44.3	.244	(D. 35.5)	75.	SSW.	..	..	8	Ci., Ci-s.
	10 15	10.2	764.40	30.042	53.	46.	.246	(A. 52.3)	71.1	SW.	..	..	8	Ci., Ci-s.
	12 15	10.8	764.35	30.038	51.	47.4	.301	3 P. M.:	82.	WSW.	..	.02	8	N., Ci-cu., Ci-s., rain.
	14 15	11.	764.00	30.022	49.5	48.4	.342	(D. 35.2)	92.1	SW.	..	.03	8	N., Ci-cu., Ci-s., rain.
	16 15	11.1	762.90	29.979	49.7	47.	.307	(A. 50.1)	87.	SSE.	..	.11	8	N., raining.
	18 15	11.1	762.20	29.951	49.1	47.6	.327	9 P. M.:	89.	SE.	..	.01	8	N., raining.
	20 15	11.1	762.00	29.943	48.7	48.1	.343	(D. 47.5)	92.	ESE.	..	.05	8	N., raining.
	22 15	11.1	761.60	29.928	49.	48.5	.349	(A. 49.2)	92.7	ESE.	..	.03	8	N., raining.
21	0 15	11.2	760.90	29.901	48.5	48.2	.348	3 A. M.:	92.8	E.	..	..	8	N., raining.
	2 15	11.1	759.65	29.851	48.1	48.	.348	(D. 48.)	92.2	E. by N.	..	.04	8	N., raining.
	4 15	11.1	758.65	29.812	48.5	48.	.343	(A. 48.1)	92.3	NE. by E.	..	.08	8	N., raining.
	6 15	11.1	758.85	29.820	48.5	48.1	.346	9 A. M.:	92.	NE. by N.	..	.01	8	N.
	8 15	11.7	758.90	29.819	50.7	49.6	.356	(D. 48.5)	90.	NNE.	..	..	8	N.
	10 15	12.4	759.60	29.843	54.	51.6	.367	(A. 51.6)	87.2	NE.	..	..	8	N., Ci-cu., Cu-s.
	12 15	14.	760.00	29.852	53.6	50.3	.340	.....	83.	N.	..	..	8	N., Ci-cu., Cu-s.
	14 15	14.	760.20	29.860	54.5	50.3	.330	.....	80.5	N.	..	..	8	N., Ci-cu., Cu-s.
	16 15	14.	761.75	29.921	48.	46.5	.314	.....	89.	NNW.	..	..	8	N., raining.
	18 15	13.2	762.60	29.956	46.9	43.1	.251	9 P. M.:	81.	NNW.	..	..	8	N., Ci-cu.
	20 15	12.6	763.10	29.980	44.5	41.	.235	(D. 37.3)	81.	NNW.	..	..	3	Ci., Ci-cu.
	22 15	11.6	764.10	30.023	42.2	39.2	.221	(A. 43.2)	81.8	NNW.	..	..	4	?

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Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
22	0	15	11.1	763.80	30.014	41.4	38.5	.218	.....	82.	NNW.	..	..	4	?
	2	15	10.9	763.90	30.019	41.	38.4	.220	.....	83.	NNW.	..	..	8	?
	4	15	10.	763.65	30.013	40.	37.5	.214	.....	85.	N.	..	..	5	Ci., Ci-cu.
	6	15	10.2	763.80	30.018	43.5	41.6	.258	9 A. M.:	82.	NNE.	..	..	2	Ci., Ci-cu.
	8	15	11.	764.00	30.022	46.	42.	.237	(D. 35.8)	79.	NE.	..	..	7	Ci., Ci-cu.
	10	15	10.8	764.15	30 030	46.2	42.2	.239	(A. 45.6)	79.	ENE.	..	..	8	Cu., Ci-cu., Cu-s.
	12	15	11.2	763.15	29.988	49.8	45.1	.262	3 P. M.:	77.	ENE.	..	..	8	Cu., Ci-cu., Cu-s.
	14	15	11.3	763.15	29.987	48.3	43.6	.246	(D. 39.4)	77.	NE.	..	..	8	Cu., Ci-cu , Cu-s.
	16	15	11.3	761.60	29.927	46.3	44.1	.280	(A. 48.1)	84.5	NE.	..	..	8	Ci cu., N., raining.
	18	15	11.	761.85	29.938	45.	43.9	.291	9 P. M.:	90.6	NNE.	..	.11	8	Ci-cu., N., occasional showers.
	20	15	10.4	761.40	29.924	44.4	43.2	.282	(D. 42.)	92.4	NNE.	..	.04	8	Ci-cu., N., occasional showers.
	22	15	10.	760.35	29.884	43.9	42.9	.281	(A. 43.5)	91.7	NE.	..	.10	8	Ci-cu., N., occasional showers.
23	0	15	9.6	759.90	29.868	44.	43.4	.291	3 A. M.:	92.2	NE.	..	.07	8	N., showers.
	2	15	9.4	759.20	29.841	44.5	43.8	.294	(D. 43.6)	91.9	NE. by E.	..	.15	8	N., showers.
	4	15	9.3	758.85	29.828	45.5	44.9	.306	(A. 44.9)	92.3	NE. by E.	..	.01	8	N., showers.
	6	15	9.5	759.40	29.849	47.5	47.	.331	9 A. M.:	92.	NE. by E.	..	..	8	N.
	8	15	10.	760.00	29.870	50.	49.5	.361	(D. 49.)	92.3	ENE.	..	..	8	N.
	10	15	11.	761.00	29.904	52.7	51.7	.385	(A. 51.3)	91.	ENE.	..	..	8	N., Ci cu.
	12	15	12.2	761.30	29.911	55.	54.	.417	3 P. M.:	90.5	ENE.	..	..	8	N., Ci-cu.
	14	15	12.7	761.10	29.900	55.	54.2	.422	(D. 53.)	90.5	ENE.	..	..	8	N., Ci-cu.
	16	15	13.3	761.30	29.905	55.	54.	.417	(A. 55.1)	91.	ENE.	..	..	8	N.
	18	15	14.	762.25	29.940	52.9	52.3	.397	9 P. M.:	93.	ENE.	..	..	8	N.
	20	15	13.7	762.70	29.959	51.3	50.5	.371	(D. 48.3)	92.3	ENE.	..	..	8	N.
	22	15	13.	763.00	29.973	49.6	49.4	.364	(A. 50.4)	94.	ENE.	..	..	8	N., light rain.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
24	0 15	12.7	762.80	29.967	48.6	48.5	.354	3 A. M.:	93.2	E. by N.	..	..	8	N., very light rain.
	2 15	12.1	762.70	29.966	48.1	48.1	.350	(D. 47.1)	93.1	ENE.	..	.01	8	N., very light rain.
	4 15	12.	762.85	29.973	47.3	47.1	.336	(A. 47.4)	92.8	ENE.	..	.01	8	N., very light rain.
	6 15	12.	763.25	29.988	48.4	48.1	.347	9 A. M.:	92.3	ENE.	..	..	8	N., very light rain, (fog.)
	8 15	12.2	763.25	29.987	50.5	49.3	.352	(D. 48.7)	90.	ENE.	..	..	8	N., Ci-cu., Cu-s.
	10 15	12.7	763.60	29.998	53.2	51.5	.374	(A. 52.1)	89.	ENE.	..	..	8	N., Ci-cu., Cu-s.
	12 15	13.4	763.60	29.995	56.	54.	.406	3 P. M.:	88.	ENE.	..	..	8	N., Ci-cu., Cu-s.
	14 15	14.8	763.40	29.981	58.6	55.8	.424	(D. 53.7)	86.	ENE.	..	..	8	N., Ci-cu., Cu-s.
	16 15	15.3	762.80	29.955	59.9	57.	.441	(A. 61.)	85.3	NNE.	..	..	8	N., Ci-cu., Cu-s.
	18 15	16.5	762.80	29 950	58.9	56.5	.438	9 P. M.:	88.1	NNE.	..	..	8	N., Ci cu., Cu-s.
	20 15	16.	762.70	29.947	56.1	54.9	.428	(D. 54.)	91.5	NNE.	..	..	8	N.
	22 15	15.6	762.75	29 951	56.	55.	.431	(A. 56.1)	91.5	NNE.	..	..	8	N. (and S.?)
26	0 15	15.3	763.00	29.962	47.9	47.3	.333	3 A. M.:	92.2	NE. by E.	..	..	8	Overcast.
	2 15	14.6	762.20	29.934	47.4	46.9	.330	(D. 46.2)	93.8	NE. by E.	..	..	8	Overcast.
	4 15	14.	761.60	29.915	47.	46.7	.330	(A. 47.5)	93.7	NE.	..	..	8	Overcast, (foggy.)
	6 15	13.9	761.75	29.921	48.5	48.	.343	9 A. M.:	93.	NE.	..	..	8	Overcast, (foggy.)
	8 15	14.	761.50	29.911	49.7	48.7	.346	(D. 47.8)	91.5	NE.	..	..	8	N., Ci-s., S.
	10 15	14.	760.80	29.884	52.3	50.3	.355	(A. 51.)	88.	NE.	..	..	8	N., Ci-s., S.
	12 15	15.	759.40	29.822	57.4	53.7	.382	3 P. M.:	83.	S.	..	..	8	Foggy.
	14 15	16.	758.00	29.763	60.8	56.6	.420	(D. 53.4)	81.	S. by W.	..	..	3	Cu., Ci., Ci-s.
	16 15	17.7	756.70	29.703	65.	60.2	.473	(A. 63.3)	79.5	SSW.	..	..	6	Cu., Ci., Ci-s.
	18 15	18.	756.10	29.678	59.4	56.5	.433	.....	85.1	SW. by S.	..	..	4	Ci-cu., Cu.
	20 15	17.	755.70	29.668	53.	51.6	.378	.....	90.	S. by W.	..	..	3	Ci-cu., Cu.
	22 15	16.	754.70	29.634	50.7	49.8	.361	.....	93.3	S.	..	..	7	Ci-cu., Cu.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
27	0	15	15.5	753.90	29.605	50.	49.2	.354	3 A. M.:	93.2	S.	..	.	8	N.
	2	15	14.4	753.00	29.574	49.	48.5	.349	(D. 48.3)	93.3	SSE.	..	..	8	N.
	4	15	14.3	753.45	29.592	50.	49.5	.361	(A. 49.5)	94.	SW.	..	..	8	N., raining.
	6	15	14.	753.60	29.600	50.7	50.4	.376	9 A. M.:	93.8	WSW.	..	.25	8	N., raining.
	8	15	14.	753.30	29.588	52.	51.7	.393	(D. 51.5)	93.2	S. by W.	..	.18	8	N., raining.
	10	15	14.	754.10	29.620	49.5	46.	.287	(A. 54.)	81.3	NNW.	..	.03	8	Cu., Ci., Ci-cu.
	12	15	14.8	754.80	29.645	55.3	48.3	.274	3 P. M.:	71.5	NNW.	..	..	2	Cu., Cu-s.
	14	15	15.	755.40	29.667	55.6	46.8	.235	(D. 39.)	65.5	NNW.	..	..	2	Cu., S.
	16	15	15.3	756.10	29.691	55.5	45.5	.208	(A. 55.3)	63.	NNW.	..	..	3	Cu., S.
	18	15	15.	757.15	29.734	50.	45.	.258	9 P. M.:	69.	NNW.	..	..	3	Cu., S.
	20	15	14.2	759.20	29.817	48.4	41.4	.200	(D. 34.)	66.	NW. by N.	..	..	..	Clear.
	22	15	13.	760.85	29.890	44.2	37.5	.167	(A. 44.2)	68.4	NNW.	..	..	..	Clear.
28	0	15	12.	760.35	29.875	42.5	36.4	.165	3 A. M.:	67.5	NW.	..	..	..	Clear.
	2	15	10.9	760.90	29.903	38.3	35.	.185	(D. 26.3)	74.	NW.	..	..	..	Clear.
	4	15	10.	761.50	29.929	40.5	35.	.160	(A. 38.5)	71.1	NW.	..	..	..	Clear.
	6	15	10.	762.70	29.976	42.5	36.5	.167	9 A. M.:	71.	NW.	..	..	8	Ci., Ci-s.
	8	15	10.7	762.90	29.981	47.	40.	.185	(D. 31.3)	67.5	N.	..	..	6	Ci., Ci-s.
	10	15	11.9	763.00	29.978	52.8	44.5	.215	(A. 50.)	64.5	NNW.	..	..	4	Ci., Ci-s.
	12	15	13.	762.60	29.958	56.1	45.3	.196	3 P. M.:	61.	NNW.	..	..	7	Ci., Ci-s.
	14	15	14.9	761.30	29.897	59.5	48.	.219	(D. 38.)	59.	WNW.	..	..	6	Ci., Ci s., Ci-cu.
	16	15	16.	760.70	29.870	58.8	48.5	.240	(A. 60.5)	59.5	WSW.	..	..	6	Ci., Ci-s., Ci-cu.
	18	15	15.9	760.50	29.862	54.2	46.9	.254	9 P. M.:	65.1	W. by N.	..	..	8	Ci., Ci-s., Ci-cu.
	20	15	15.1	761.00	29.885	50.5	44.	.231	(D. 35.5)	68.	WSW.	..	..	8	Ci-cu., Ci-s.
	22	15	14.3	760.90	29.885	48.2	43.	.235	(A. 47.)	71.6	WSW.	..	..	..	Clear.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
29	0	15	13.3	760.10	29.858	44.4	41.	.236	3 A. M.:	76.8	WSW.	..	..	3	Ci., Ci-s.
	2	15	12.2	759.15	29.826	42.6	41.	.256	(D. 38.)	86.4	SW.	..	..	..	Clear.
	4	15	11.3	758.30	29.897	40.6	39.4	.246	(A. 41.9)	89.2	SW.	..	..	6	Ci., Ci-s.
	6	15	11.	757.80	29.779	42.	40.5	.252	9 A. M.:	88.3	SW.	..	..	8	Ci., Ci-s., Ci-cu , Cu-s.
	8	15	11.2	756.80	29.739	46.4	44.1	.279	(D. 43.1)	86.	E. by N.	..	..	8	N., Ci cu., Ci s., rain.
	10	15	11.	755.40	29.685	46.	43.	.259	(A. 46.6)	85.5	S. by E.	..	.08	8	N., raining.
	12	15	10.5	752.65	29.580	44.	42.5	.271	3 P. M.:	90.	SE. by E.	..	.19	8	N., raining.
	14	15	10.1	747.60	29.383	43.	42.4	.280	(D. 40.5)	92.5	E.	..	.23	8	N., raining.
	16	15	10.1	744.55	29.262	43.9	43.	.283	(A. 43.5)	93.	E.	..	.50	8	N., raining.
	18	15	10.	741.85	29.157	45.6	45.4	.317	9 P. M.:	94.	E.	..	.35	8	N., raining.
	20	15	10.	739.50	29.064	46.	45.4	.312	(D. 42.5)	91.3	E.	..	.11	8	N., ceased raining.
	22	15	10.	738.15	29.011	45.5	44.1	.290	(A. 45.6)	93.1	N.	..	..	8	N.
30	0	15	10.	737.15	28.971	44.6	44.	.297	3 A. M.:	92.5	NW.	..	..	8	N., raining slightly.
	2	15	10.	737.00	28.965	44.5	43.6	.290	(D. 41.3)	92.	WNW.	..	..	8	N., raining slightly.
	4	15	9.8	736.60	28.952	44.5	43.8	.294	(A. 44.6)	91.3	WNW.	..	..	8	N., raining slightly.
	6	15	9.8	736.55	28.950	45.5	44.	.288	.....	88.	W. by N.	..	..	8	N., Cu., Ci-cu.
	8	15	10.2	737.00	28.964	47.8	44.7	.277	.....	82.3	WNW.	..	..	8	Cu., Cu-s., Ci-cu.
	10	15	10.5	737.20	28.971	48.5	45.	.275	.....	81.	WNW.	..	† ..	8	Ci-cu., N.
	12	15	11.3	737.25	28.969	49.5	46.7	.302	4 P. M.:	83.5	WNW.	..	† ..	8	Cu., Ci cu., N.
	14	15	11.7	737.90	28.993	49.7	47.	.307	(D. 44.8)	83.5	WNW.	..	† ..	8	Cu , Ci-cu., N.
	16	15	12.	739.50	29.055	49.	46.4	.301	(A. 49.)	*84.8	NW.	..	† ..	8	Cu., Ci-cu., N.
	18	15	11.6	741.50	29.135	48.	43.	.238	9 P. M.:	76.8	NW.	..	† .08	8	Cu., Ci-cu., N.
	20	15	11.	742.95	29.194	45.6	41.5	.234	(D. 39.)	76.	NW.	..	..	8	Cu., Ci cu., Ci-s.
	22	15	10.2	744.00	29.239	44.5	43.6	.290	(A. 45.)	75.5	NW.	..	..	5	Cu., Ci-cu., Ci-s., halo.

* Recorded 94.8.

† Light showers, and gauge shows the total.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
1	0 15	9.8	744.95	29.280	44.1	41.1	.242	3 A. M.:	76.1	WNW.	..	..	8	N., Cu., Ci-cu.
	2 15	9.6	745.25	29.292	44.	40.5	.230	(D. 37.1)	78.2	WNW.	..	..	8	N., Cu., Ci cu.
	4 15	9.3	745.85	29.317	44.5	41.	.235	(A. 43.6)	79.3	W.	..	..	8	N., Cu., Ci cu.
	6 15	9.2	747.10	29.367	45.1	42.	.249	9 A. M.:	80.	W.	..	..	8	Cu., Ci-cu., Ci-s.
	8 15	9.6	748.85	29.434	47.	41.5	.218	(D. 35.)	74.	WNW.	..	..	8	Cu., Ci-cu., N.
	10 15	10.3	749.30	29.448	49.	43.3	.234	(A. 47.6)	75.3	WNW.	..	..	8	Cu., Ci-cu., N.
	12 15	11.	750.00	29.472	49.4	43.	.223	3 P. M.:	70.	WNW.	..	..	8	Cu , Ci-cu., N.
	14 15	11.9	750.85	29.502	50.7	43.8	.226	(D. 36.)	66.9	WNW.	..	..	8	Cu., Ci cu., N.
	16 15	12.1	751.80	29.538	51.1	44.2	.229	(A. 50.8)	66.1	WNW.	..	..	½	Ci-cu., Ci-s.
	18 15	13.1	752.75	29.572	51.4	43.8	.217	3 P. M.:	65.9	NW.	..	..	..	Ci-cu., Ci-s.
	20 15	12.	754.70	29.654	46.5	41.9	.231	(D. 32.)	71.2	N. by W.	..	..	..	Clear.
	22 15	11.4	755.70	29.695	42.5	39.9	.234	(A. 43.)	81.	N. by W.	..	..	8	Ci-cu., Ci-s.
3	0 15	6.9	757.00	29.767	34.3	31.	.159	3 A. M.:	64.8	WNW.	..	..	..	Clear.
	2 15	5.9	756.85	29.767	33.1	29.2	.141	(D. 20.7)	66.	NW.	..	..	..	Clear.
	4 15	4.8	757.55	29.800	32.	28.	.133	(A. 32.5)	68.	NW.	..	..	..	Clear.
	6 15	4.7	758.60	29.841	33.	28.1	.124	.....	68.1	NW.	..	..	..	Clear.
	8 15	5.3	758.60	29.838	35.1	29.6	.128	.....	67.4	NW.	..	..	..	Clear.
	10 15	5.5	759.20	29.860	39.3	35.8	.189	.....	66.5	NW.	..	..	..	Clear.
	12 15	7.5	758.50	29.824	43.5	36.2	.149	.....	65.2	NW.	..	..	..	Clear.
	14 15	8.	757.95	29.800	46.5	43.	.254	.....	62.2	NW.	..	..	..	Clear.
	16 15	9.5	758.05	29.796	47.8	40.9	.196	.....	60.5	NW.	..	..	..	Clear.
	18 15	9.9	759.00	29.830	44.5	39.4	.202	.....	62.9	NW.	..	..	..	Clear.
	20 15	9.1	760.00	29.874	40.4	34.2	.146	.....	65.3	NW.	..	..	..	Clear.
	22 15	8.1	760.25	29.890	37.8	32.5	.144	.....	68.8	NW.	..	..	..	Clear.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
4	0 15	7.3	759.95	29.882	37.	32.5	.153	3 A. M.:	69.6	NW. by N.	..	..	4	Cu., Ci., Ci-s.
	2 15	6.8	759.25	29.855	35.6	31.6	.156	(D. 22.4)	72.8	N. by W.	..	..	..	Clear.
	4 15	6.3	759.20	29.856	34.9	30.7	.148	(A. 35.5)	72.8	NW.by W.	..	..	..	Clear.
	6 15	6.4	759.50	29.868	36.9	33.	.163	.....	74.	NNW.	..	..	..	Clear.
	8 15	7.8	759.30	29.853	39.9	34.	.148	.....	69.6	NW.	..	..	2	Ci., Ci-s.
	10 15	8.5	758.80	29.830	42.5	36.	.157	.....	68.2	NW.	..	..	1	Cu.
	12 15	9.5	758.00	29.794	45.5	39.	.182	3 P. M.:	66.7	NW.	..	..	..	Clear.
	14 15	10.1	757.65	29.778	48.1	41.5	.205	(D. 25.)	65.8	WNW.	..	..	½	Detached Cu.
	16 15	11.3	757.45	29.764	51.5	42.5	.187	(A. 49.5)	63.6	WNW.	..	..	½	Ci-cu., Ci-s.
	18 15	12.	757.65	29.769	50.	43.	.215	9 P. M.:	64.	NW.	..	..	2	Ci cu., Ci-s., Ci.
	20 15	11.3	758.60	29.809	45.5	40.5	.213	(D. 28.)	69.8	NNE.	..	..	½	Ci-cu., Ci-s., Ci.
	22 15	10.5	759.00	29.828	42.5	37.4	.184	(A. 44.5)	73.1	NE.	..	..	½	Ci-cu., Ci-s., Ci.
5	0 15	9.8	759.50	29.852	37.6	35.	.193	3 A. M.:	77.1	NE.	..	..	1	Ci. Ci-s.
	2 15	8.8	758.85	29.831	34.5	33.	.190	(D. 30.3)	85.	NE.	..	..	..	Clear.
	4 15	7.9	759.00	29.841	32.5	31.5	.186	(A. 34.4)	90.8	NE.	..	..	2	Light Ci. and Ci-s.
	6 15	8.1	759.35	29.854	38.2	36.	.205	9 A. M.:	84.3	NE.	..	..	6	Light Ci. and Ci-s.
	8 15	9.3	759.85	29.867	47.2	41.4	.213	(D. 33.5)	72.	ESE.	..	..	5	Light Ci. and Ci-s.
	10 15	11.	759.25	29.835	51.8	44.5	.227	(A. 48.8)	67.5	ESE.	..	..	1	Light Ci. and Ci-s.
	12 15	12.5	758.60	29.804	55.5	48.	.265	3 P. M.:	64.	SE.	..	..	8	Ci., Ci-s., Ci-cu.
	14 15	13.	758.50	29.797	51.6	47.2	.290	(D. 41.)	77.	WSW.	..	..	8	N., raining.
	16 15	12.5	757.00	29.741	48.1	46.5	.313	(A. 49.6)	88.	SE.	..	.07	8	N., raining.
	18 15	12.	756.40	29.719	45.5	44.5	.298	.....	93.1	SSE.	..	.15	8	N., raining.
	20 15	11.4	755.90	29.703	44.5	43.5	.288	.....	92.3	SE.	..	.10	8	N., raining.
	22 15	11.3	755.70	29.695	44.5	43.8	.294	.....	94.	ESE.	..	.10	8	N., ceased rain.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
6	0	15	10.9	755.35	29.685	44.	43.5	.293	3 A. M.:	94.	E. by S.	..	.03	8	N., raining.
	2	15	10.7	755.25	29.681	44.1	43.6	.294	(D. 42)	94.1	E. by N.	..	.01	8	N., raining.
	4	15	10.3	755.90	29.708	42.8	42.2	.278	(A. 44.)	94.	W.	..	..	8	N.
	6	15	10.6	756.65	29.736	45.	43.9	.291	9 A. M.:	90.2	W.	..	..	½	Ci-s.
	8	15	12.	757.80	29.775	49.3	43.	.222	(D. 34.)	72.	WNW.	..	..	3	Cu.
	10	15	12.6	758.10	29.784	52.5	44.5	.219	(A. 51.)	68.	WNW.	..	..	2	Cu.
	12	15	13.5	758.60	29.798	53.3	44.3	.206	3 P. M.:	65.	WNW.	..	..	6	Cu., Ci-cu.
	14	15	14.	759.00	29.811	55.2	46.5	.234	(D. 38.5)	66.	WNW.	..	..	7	Cu., Ci-cu.
	16	15	15.2	759.75	29.835	56.1	45.9	.210	(A. 56.4)	63.	WNW.	..	..	½	Cu., Ci-cu.
	18	15	15.2	760.35	29.859	54.4	46.	.232	9 P. M.:	63.8	WNW.	..	..	½	Cu., Ci-cu.
	20	15	14.2	762.55	29.951	49.2	43.	.224	(D. 33.)	69.2	W. by N.	..	..	..	A little Cu. in *S.*
	22	15	13.4	763.10	29.975	46.8	42.4	.238	(A. 48.)	72.7	W. by N.	..	..	..	Ci-cu. in *S.*
7	0	15	12.2	763.55	29.999	44.	40.5	.229	3 A. M.:	78.	W.	..	..	½	Ci s.
	2	15	11.5	763.95	30.019	44.	39.3	.204	(D. 33.8)	76.	W.	..	..	½	Ci-s.
	4	15	10.8	764.05	30.026	42.1	38.	.199	(A. 43.5)	76.8	NW. by N.	..	..	1	Ci-cu., Ci-s.
	6	15	10.8	765.35	30.077	45.2	40.5	.215	9 P. M.:	75.2	WNW.	..	..	3	Ci., Cu., Ci-cu.
	8	15	12.	765.50	30.077	49.5	42.1	.200	(D. 31.5)	70.	WNW.	..	..	..	Clear.
	10	15	13.	765.40	30.068	53.	44.5	.212	(A. 50.7)	67.5	NW.	..	..	3	Light Ci., Ci-s., and Ci-cu.
	12	15	14.5	764.80	30.038	56.5	49.2	.281	.....	65.3	W.	..	..	8	Ci., Ci-cu., Ci-s.
	14	15	15.	764.30	30.015	59.	50.6	.287	.....	67.	.....	..	..	8	Ci., Ci-cu., Ci-s., N.
	16	15	15.3	763.95	30.000	56.5	48.	.254	.....	67.6	E.	..	..	8	Ci., Cu-s., N.
	18	15	15.2	763.30	29.974	54.	47.5	.270	.....	72.3	NE. by N.	..	..	8	Ci., Cu s., N.
	20	15	15.	762.20	29.932	52.	46.8	.276	.....	78.	NE.	..	..	8	N., Cu., Ci-cu.
	22	15	14.2	762.20	29.937	49.	47.	.315	.....	90.	E.	..	..	8	N., Cu., Ci-cu.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	m.	s.													
8	0	15	13.2	759.80	29.846	44.3	43.	.278	3 A. M.:	91.2	ENE.	..	.25	8	N., raining.
	2	15	12.1	758.75	29.811	43.8	43.	.284	(D. 42.)	93.2	ENE.	..	.20	8	N., raining.
	4	15	11.6	758.45	29.801	45.	44.2	.297	(A. 44.5)	92.3	NE.	..	.15	8	N., raining.
	6	15	11.1	759.15	29.831	45.	44.	.293	9 A. M.:	92.	NE.	..	.21	8	N., Ci-cu., raining.
	8	15	11.2	759.60	29.849	47.	45.3	.299	(D. 43.)	88.	NE.	..	..	8	Cu., Ci-cu., N.
	10	15	11.7	760.70	29.890	49.5	46.4	.295	(A. 48.5)	83.7	NE.	..	..	8	Cu., Ci-cu., N.
	12	15	12.1	761.70	29.927	51.5	47.8	.305	3 P. .M:	82.	NE.	..	..	8	Cu., Ci-cu., N.
	14	15	12.8	762.40	29.951	54.6	50.	.322	(D. 44.3)	78.6	N.	..	..	8	Cu., Ci-cu., N.
	16	15	13.	763.00	29.973	54.	48.7	.298	(A. 53.4)	76.	N.	..	..	8	Cu., Ci-cu., N.
	18	15	14.7	763.75	29.995	56.5	49.5	.289	9 P. M.:	69.1	NW.	..	..	..	Ci-cu. in Hor.
	20	15	13.7	764.40	30.026	50.1	46.9	.300	(D. 40.7)	79.	NW.	..	..	..	Clear.
	22	15	13.	765.90	30.088	48.4	44.6	.267	(A. 49.1)	79.5	NW.	..	..	..	Clear.
10	0	15	14.8	762.50	29.946	51.5	49.	.333	3 A. M.:	83.	S.	..	..	8	N., raining.
	2	15	14.1	760.40	29.867	49.5	48.	.332	(D. 47.)	90	S.	..	.03	8	N., raining.
	4	15	13.7	758.80	29.806	49.	48.3	.344	(A. 49.4)	93.2	SE. by S.	..	.02	8	N., raining.
	6	15	13.3	757.30	29.748	50.	49.5	.361	9 A. M.:	93.2	E.	..	.03	8	N., raining.
	8	15	13.	755.70	29.687	51.8	51.3	.384	(D. 51.3)	93.	E. by S.	..	.02	8	N., raining, (foggy.)
	10	15	13.3	753.60	29.603	54.5	54.	.422	(A 53.)	92.2	E. by S.	..	.07	8	N., raining, (foggy.)
	12	15	14.1	752.60	29.561	57.	56.3	.454	3 P. M.:	92.5	SSW.	..	.03	8	N., raining, (foggy.)
	14	15	14.7	750.40	29.471	60.	59.	.495	(D. 56.)	91.	SW.	..	.30	8	N., ceased raining.
	16	15	15.	749.00	29.414	61.6	60.1	.509	(A. 60.6)	90.	SW.	..	..	8	N., Ci-cu.
	18	15	15.9	748.30	29.383	62.5	61.5	.539	9 P. M.:	91.	SSW.	..	.02	8	N., light shower.
	20	15	16.	746.65	29.316	61.5	60.5	.521	(D. 54.)	94.2	SW.	..	..	8	N., Ci-cu.
	22	15	16.3	746.70	29.317	60.6	59.4	.500	(A. 61.9)	92.1	NW.	..	..	4	N., Ci-cu.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	m.	s.													
11	0	15	16.3	746.85	29.323	59.5	55.	.392	3 A. M.:	82.2	W. by N.	..	..	2	Cu., Ci-s.
	2	15	15.8	747.00	29.332	55.5	50.5	.325	(D. 48.3)	79.	W.	..	..	2	Cu., Ci-s.
	4	15	15.3	747.25	29.345	52.4	48.5	.312	(A. 54.5)	81.	W.	..	..	..	Clear.
	6	15	14.8	747.85	29.371	53.4	49.5	.324	9 A. M.:	81.1	SW. by W.	..	..	(?)	Cu., Ci-cu., Ci-s.
	8	15	15.	748.25	29.385	57.8	51.1	.314	(D. 44.)	75.	WNW.	..	..	7	Cu., Ci-cu.
	10	15	15.8	748.55	29.393	59.5	52.4	.327	(A. 59.)	73.	WNW.	..	..	7	Cu., Ci-cu.
	12	15	16.5	748.40	29.384	62.2	54.7	.355	3 P. M.:	71.	WNW.	..	..	5	Cu., Ci-cu.
	14	15	17.3	748.40	29.380	63.3	53.2	.305	(D. 47.3)	67.	WNW.	..	..	4	Cu., Ci-cu.
	16	15	18.	749.00	29.391	63.6	53.5	.310	(A. 63.5)	66.5	WNW.	..	..	5	Cu., Ci-cu.
	18	15	18.4	749.35	29.412	63.5	54.	.323	9 P. M.:	66.5	W.	..	..	..	Clear.
	20	15	18.	750.25	29.458	57.5	51.4	.325	(D. 44.)	73.6	W.	..	..	..	Clear.
	22	15	17.1	750.25	29.454	55.5	50.4	.323	(A. 56.2)	75.6	W.	..	..	..	Clear.
12	0	15	16.2	749.95	29.446	53.	49.	.317	3 A. M.:	79.	W.	..	..	1	Ci-cu.
	2	15	15.3	749.70	29.441	51.5	47.8	.305	(D. 41.8)	81.	WNW.	..	..	3	Ci-s.
	4	15	14.8	749.95	29.453	50.	47.5	.316	(A. 50.)	85.2	WNW.	..	..	8	Ci., Ci-cu., Cu., Cu-s.
	6	15	14.2	750.25	29.468	51.5	48.9	.331	9 A. M.:	85.2	W. by S.	..	..	8	Ci., Ci-cu., Cu., Cu-s.
	8	15	14.1	750.40	29.474	53.5	51.1	.352	(D. 47.5)	86.	W. by S.	..	..	8	Ci , Ci cu., Cu., Cu-s.
	10	15	14.3	750.70	29.484	55.3	51.6	.353	(A. 54.1)	84.	W. by S.	..	.08	8	Ci-cu., N., raining.
	12	15	14.8	750.70	29.483	55.	50.2	.323	3 P. M.:	80.5	NW.	..	.02	8	Cu., Ci-cu., N.
	14	15	15.3	750.90	29.489	57.1	51.5	.331	(D. 46.5)	78.	NW.	..	..	8	Cu , Ci-cu., N.
	16	15	15.3	751.50	29.512	58.1	51.8	.328	(A. 56.3)	76.5	WNW.	..	..	7	Cu., Ci-cu.
	18	15	15.6	752.75	29.560	54.5	50.5	.335	9 P. M.:	82.2	WNW.	..	..	7	Cu., Ci-cu.
	20	15	15.2	754.40	29.627	51.6	47.9	.306	(D. 45.)	82.2	WNW.	..	.04	2	Cu., Ci cu., and N.
	22	15	14.5	755.00	29.653	49.5	46.7	.302	(A. 51.)	85.	W.	..	..	..	Scattered Cu.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
13	0	15	13.7	755.05	29.659	49.9	46.	.282	3 A. M.:	82.2	NW.	..	..	3	Ci-cu., Ci-s., N.
	2	15	12.9	755.00	29.661	47.5	44.5	.275	(D. 42.)	84.1	NW.byW.	..	..	½	Ci-s., Ci-cu.
	4	15	12.3	755.40	29.680	45.1	43.	.270	(A. 46.5)	85.9	NW.byW.	..	..	1	Ci-s., Cu-s.
	6	15	12.	755.90	29.700	46.6	44.5	.286	9 A. M.:	85.7	W. by S.	..	..	7	Ci., Ci-s., Ci cu.
	8	15	12.8	756.80	29.731	53.5	48.5	.299	(D. 42.4)	79.	NW.	..	..	3	Ci., Cu., Ci-cu.
	10	15	13.9	756.50	29.714	55.8	49.5	.296	(A. 54.5)	75.2	WNW.	..	..	8	Ci., Cu., Ci-cu.
	12	15	15.	756.30	29.700	58.	50.	.283	9 P. M.:	70.7	WNW.	..	..	7	Cu., Ci-cu.
	14	15	15.8	755.60	29.671	60.1	51.2	.289	(D. 44.6)	67.	W.	..	..	6	Cu., Ci-cu.
	16	15	16.3	755.40	29.660	61.	51.5	.287	(A. 62.1)	64.	W.	..	..	8	Cu., Ci-cu., Ci s., N.
	18	15	16.5	756.25	29.692	55.5	50.5	.324	.....	77.3	ENE.	..	..	8	Cu., Ci-cu., Ci-s , N.
	20	15	15.9	757.40	29.740	50.5	47.	.298	.....	83.	W.	..	..	8	Cu., Ci cu., raining.
	22	15	15.	757.15	29.734	48.5	45.8	.293	.....	91.	NNE.	..	.10	8	Cu., Ci-cu., raining.
14	0	15	14.2	757.00	29.733	46.5	43.5	.265	3 A. M.:	86.	NW.byW.	..	..	8	Ci., Ci-cu., N.
	2	15	13.1	756.35	29.712	42.	40.1	.244	(D. 38.4)	88.9	NW.	..	..	5	Ci., Ci-cu., Cu., N.
	4	15	12.	756.35	29.717	41.9	39.9	.241	(A. 42.3)	88.	NW.byW.	..	..	7	Ci., Ci-s., S., Ci-cu., Cu.
	6	15	11.9	756.90	29.739	43.	41.	.252	9 A. M.:	87.8	NW.	..	..	8	Ci-s., Ci-cu., Cu., Cu-s., showers.
	8	15	12.	757.50	29.763	45.8	43.6	.275	(D. 43.8)	88.	NW.	..	.03	8	Ci., Cu., Ci-cu., N., showers.
	10	15	12.	758.00	29.782	51.2	46.6	.281	(A. 48.8)	81.	N.	..	..	7	Cu., Ci-cu.
	12	15	13.2	757.80	29.768	56.	50.	.306	3 P. M.:	75.5	NW.	..	..	4	Cu., Ci-cu.
	14	15	14.2	757.70	29.761	58.	50.	.283	(D. 44.)	70.	NNW.	..	..	5	Cu., Ci-cu., N.
	16	15	14.8	757.75	29.760	60.	49.	.238	(A. 59.2)	63.	NNW.	..	..	3	Cu., Ci cu.
	18	15	15.3	758.40	29.782	58.	47.5	.225	9 P. M.:	60.	NW.	..	..	7	Cu., Ci-cu.
	20	15	15.2	760.00	29.845	55.	47.	.247	(D. 36.)	64.5	NNW.	..	..	8	Cu., Ci-cu.
	22	15	14.7	760.65	29.874	50.3	43.5	.223	(A. 52.)	68.	N.	..	..	..	Ci-s.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
15	0	15	13.7	761.00	29.892	45.5	40.1	.205	3 A. M.:	72.	N.	..	..	2	Cu.
	2	15	12.6	761.05	29.900	44.7	39.	.191	(D. 38.)	71.	N.	..	..	..	Clear.
	4	15	11.6	761.15	29.907	40.1	37.1	.205	(A. 42.5)	80.7	N.	..	..	..	Clear.
	6	15	11.4	762.20	29.950	44.8	40.4	.219	9 A. M.:	78.	N.	..	..	..	Clear.
	8	15	12.6	763.00	29.976	51.	43.5	.215	(D. 33.)	70.	NE.	..	..	..	Clear.
	10	15	13.8	763.20	29.977	54.5	46.5	.241	(A. 53.3)	68.5	E.	..	..	..	Clear.
	12	15	15.	763.00	29.963	56.7	47.1	.230	3 P. M.:	66.	N.	..	..	2	Cu.
	14	15	15.2	762.60	29.947	59.2	48.8	.241	(D. 46.)	64.	W.	..	..	5	Cu., Ci-cu.
	16	15	16.1	762.10	29.923	61.5	52.1	.296	(A. 60.5)	65.	SSE.	..	..	2	Cu., Ci-cu.
	18	15	16.2	762.35	29.933	58.8	51.8	.319	9 P. M.:	69.	SSW.	..	..	4	Cu., Ci cu.
	20	15	15.3	763.30	29.974	50.5	45.	.252	(D. 36.4)	73.	S.	..	..	..	Clear.
	22	15	14.5	763.90	30.002	46.1	42.5	.247	(A. 47.8)	77.3	SSE.	..	..	..	Clear.
17	0	15	14.6	762.70	29.954	49.5	47.1	.311	3 A. M.:	85.8	SW.	..	..	..	Clear.
	2	15	13.8	761.55	29.913	50.4	49.1	.347	(D. 46.2)	88.2	SW.	..	..	8	Overcast.
	4	15	13.3	760.70	29.882	51.5	51.	.380	(A. 50.5)	89.2	SW. by W.	..	..	8	Overcast.
	6	15	13.2	759.50	29.834	52.8	49.8	.337	9 A. M.:	87.	SW. by W.	..	..	8	Ci-s., Ci., Cu-s.
	8	16	13.8	757.50	29.754	57.5	52.5	.351	(D. 45.6)	81.7	SW. by W.	..	..	7	Light Ci., Ci-cu., Ci-s., S.
	10	15	15.2	755.60	29.674	65.	56.	.357	(A. 61.1)	70.	WSW.	..	..	7	Ci., Ci-cu., Ci-s.
	12	15	17.	752.75	29.554	70.2	58.2	.358	3 P. M.:	65.2	SW.	..	..	6	Ci., Ci-cu., S.
	14	15	17.8	753.50	29.578	65.2	56.	.355	(D. 47.)	69.5	NW.	..	..	8	N., a little rain.
	16	15	18.5	753.20	29.563	72.4	58.4	.339	(A. 65.5)	60.	WNW.	..	.01	..	Cu., Ci-cu.
	18	15	19.	754.25	29.603	70.	55.	.274	.....	55.8	NNW.	..	..	..	Cu., Ci-cu.
	20	15	18.8	756.00	29.669	62.5	48.	.187	.....	55.2	N.	..	..	½	Cu., Ci-cu.
	22	15	17.5	757.65	29.742	55.5	45.5	.208	.....	62.	N.	..	..	..	Cu., Ci-cu.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	*m.*													
18	0	15	16.3	758.20	29.769	49.5	44.1	.245	3 A. M.:	67.2	NNE.	..	..	..	Hazy.
	2	15	15.2	758.45	29.784	48.2	42.6	.226	(D. 34.2)	69.2	NW. by N.	..	..	..	Clear.
	4	15	14.3	758.75	29.800	46.7	40.5	.200	(A. 48.)	71.	NW.	..	..	4	Ci-s.
	6	15	14.	759.40	29.827	50.5	43.5	.221	9 A. M.:	69.9	NNW.	..	..	2	Ci., Ci-s.
	8	15	15.	759.30	29.818	54.3	46.5	.244	(D. 34.3)	68.	NNW.	..	..	½	Ci., Ci-s.
	10	15	15.2	758.60	29.790	57.7	48.4	.250	(A. 56.2)	65.5	NNW.	..	..	1	Cu., Ci.
	12	15	16.	758.00	29.762	60.	48.8	.233	3 P. M.:	61.5	NNW.	..	..	1	Cu., Ci-s.
	14	15	16.5	757.30	29.734	61.5	47.5	.186	(D. 37.4)	59.	NW.	..	..	2	Cu., Ci., Ci s.
	16	15	17.	757.00	29.719	64.	49.	.193	(A. 64.)	56.	NW.	..	..	2	Cu.
	18	15	18.	757.45	29.732	64.3	49.3	.197	9 P. M.:	55.2	NNE.	..	..	1	Cu., Ci-cu.
	20	15	17.5	758.65	29.781	56.	45.	.191	(D. 27.6)	59.	NNE.	..	..	4	Cu., Ci-cu.
	22	15	16.5	759.00	29.800	53.9	44.8	.210	(A. 54.6)	60.3	NNE.	..	..	6	Cu., Ci-cu.? (dark.)
19	0	15	15.7	758.55	29.786	49.9	44.	.238	3 A. M.:	72.8	N. by E.	..	..	6	Cu., Ci-cu., Ci s.
	2	15	14.9	757.95	29.766	48.3	42.5	.223	(D. 27.2)	74.	SW.	..	..	5	Cu., Ci-cu., Ci-s.
	4	15	13.9	758.20	29.781	47.5	41.	.201	(A. 48.7)	71.	NNW.	..	..	6	Cu., Ci-cu., Ci-s.
	6	15	13.6	758.85	29.808	51.5	43.5	.209	9 A. M.:	69.8	NNW.	..	..	6	Cu., Ci-cu., Ci-s.
	8	15	15.	759.75	29.836	56.3	47.1	.235	(D. 34.)	68.5	NNE.	..	..	..	Clear.
	10	15	15.8	760.00	29.842	58.5	48.6	.245	(A. 57.)	68.	N.	..	..	1	Cu.
	12	15	16.6	760.00	29.838	59.3	48.8	.240	3 P. M.:	66.	NNW.	..	..	7	Cu., Ci-cu.
	14	15	17.4	759.80	29.826	60.8	49.3	.236	(D. 37.4)	64.5	NNE.	..	..	4	Cu., Ci-cu.
	16	15	17.9	760.30	29.845	60.5	49.8	.251	(A. 66.6)	65.	NNW.	..	..	8	Cu., Ci-cu.
	18	15	17.5	761.00	29.873	58.9	50.2	.279	9 P. M.:	68.	N.	..	..	8	Cu., Ci-cu.
	20	15	17.	761.75	29.914	53.7	47.	.262	(D. 45.)	72.5	N.	..	..	..	Cu., Ci-cu.
	22	15	16.	762.25	29.929	50.	46.2	.285	(A. 50.5)	93.3	SW.	..	..	..	Clear.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
20	0 15	14.9	762.40	29.940	46.5	43.9	.274	3 A. M.:	85.2	SW.	..	..	..	Clear.
	2 15	14.	762.50	29.949	44.7	43.2	.278	(D. 39.)	92.8	SW.	..	..	..	Clear.
	4 15	13.2	762.60	29.956	44.	42.1	.263	(A. 45.5)	90.	SW.	..	..	4	Ci., Ci-s.
	6 15	12.5	763.20	29.984	45.5	44.	.287	9 A. M.:	90.3	NW.	..	..	8	Ci., Ci-s.
	8 15	13.3	763.85	30.005	53.2	47.2	.272	(D. 40.)	77.	NW.	..	..	1	Ci., Ci-s.
	10 15	14.8	764.10	30.009	59.6	50.2	.271	(A. 55.6)	68.	N.	..	..	..	Clear.
	12 15	16.1	763.75	29.988	62.6	52.1	.283	3 P. M.:	63.	N.	..	..	..	Clear.
	14 15	17.2	763.30	29.964	65.4	54.	.309	(D. 34.8)	62.3	NE.	..	..	..	Clear.
	16 15	18.3	763.05	29.949	68.5	56.3	.325	(A. 66.)	60.2	ESE.	..	..	7	Light Ci.
	18 15	19.2	763.15	29.949	65.5	55.8	.346	9 P. M.:	65.	S.	..	..	..	
	20 15	18.9	763.60	29.968	58.	52.4	.342	(D. 46.8)	79.	S.	..	..	..	Clear.
	22 15	18.	764.00	29.929	54.	50.5	.341	(A. 55.5)	88.2	S. by W.	..	..	..	Clear.
21	0 15	17.	764.30	30.006	51.4	49.5	.346	3 A. M.:	92.	S. by W.	..	..	..	Clear.
	2 15	15.9	764.05	30.001	50.2	48.7	.340	(D. 47.)	93.	SW. by S.	..	..	..	Clear.
	4 15	15.2	763.65	29.988	49.	48.	.338	(A. 50.)	93.9	SW. by S.	..	..	2	Ci., hazy.
	6 15	15.2	764.35	30.016	53.8	52.2	.384	9 A. M.:	89.2	SW. by S.	..	..	1	Light Ci.
	8 15	16.5	764.65	30.023	59.5	56.	.419	(D. 49.2)	85.	SW.	..	..	..	Clear.
	10 15	17.5	764.60	30.015	65.	59.5	.453	(A. 62.)	79.	SW.	..	..	..	Clear, (hazy.)
	12 15	19.8	763.85	29.975	72.2	64.2	.511	3 P. M.:	74.3	SSW.	..	..	..	Clear.
	14 15	20.3	763.20	29.946	74.6	64.	.478	(D. 54.2)	68.8	SW.	..	..	..	Clear.
	16 15	21.8	763.00	29.931	76.9	65.4	.496	(A. 75.5)	67.3	SW.	..	..	1	Light Ci.
	18 15*	22.3	762.80	29.921	74.5	65.	.511	9 P. M.:	70.5	SW.	..	..	3	Light Ci.
	20 15	22.3	763.40	29.944	66.7	61.5	.492	(D. 57.5)	81.5	SSW.	..	..	..	Light Ci., Ci-s.
	22 15	21.7	764.25	29.981	63.	60.	.489	(A. 64.)	88.2	SSW.	..	..	2	Light Ci., Ci-s. in *N.*

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
22	0 15	21.	764.10	29.979	61.	59.	.484	3 A. M.:	90.7	SW.	..	..	1	Clouds in Hor.
	2 15	20.3	763.65	29.964	57.5	57.	.467	(D. 55.1)	95.	SW.	..	..	1	Ci-s. (?)
	4 15	19.7	763.65	29.967	57.	56.5	.459	(A. 56.6)	93.2	SE.	..	..	3	Ci., Ci-s., Cu., foggy.
	6 15	19.3	764.45	30.000	60.3	59.4	.503	9 A. M.:	90.1	ESE.	..	..	6	Ci., S., foggy.
	8 15	20.4	764.90	30.014	67.1	64.5	.578	(D. 57.)	84.	SE.	..	..	1	Ci., Ci-s.
	10 15	21.3	764.80	30.005	74.	68.6	.635	(A. 70.7)	81.	S.	..	..	..	Hazy.
	12 15	24.	764.55	29.982	80.2	72.5	.702	3 P. M.:	75.	SW.	..	..	1	S., Cu-s.
	14 15	25.3	764.20	29.962	83.	74.5	.745	(D. 65.)	75.	SW.	..	..	1	Ci., Cu., Cu-s., S.
	16 15	26.5	764.00	29.949	80.5	71.	.645	(A. 83.8)	73.	SW.	..	..	8	Ci., Cu., Cu-s., S.
	18 15	26.	764.00	29.950	77.	69.9	.645	9 P. M.:	76.7	SW. by W.	..	..	8	Ci., Cu., Cu-s., S.
	20 15	25.5	765.00	29.991	72.6	67.1	.599	(D. 63.6)	80.	S.	..	..	8	Ci-cu., Ci-s.
	22 15	25.	765.25	30.004	69.6	66.	.598	(A. 71.2)	86.	S. by W.	..	..	8	Ci-cu., Ci-s.
24	0 15	22.4	765.30	30.018	64.	62.	.537	3 A. M.:	89.9	S.	..	..	..	Clear.
	2 15	21.	765.10	30.018	61.6	59.6	.494	(D. 57.1)	91.5	S. by W.	..	..	1	Ci-s., (and Cu.?)
	4 15	19.7	765.40	30.036	61.1	59.5	.497	(A. 61.5)	93.	SSW.	..	..	4	Ci., Ci s., Cu.
	6 15	20.8	765.90	30.050	66.8	63.7	.556	9 A. M.:	88.	SSW.	..	..	6	Ci., Cu.
	8 15	22.3	766.20	30.055	71.	65.2	.556	(D. 62.2)	82.7	SSW.	..	..	3	Ci., Ci-s.
	10 15	23.2	766.00	30.042	74.4	68.4	.623	(A. 72.5)	81.2	SSW.	..	..	..	Clear.
	12 15	25.	765.40	30.010	77.8	69.5	.622	3 P. M.:	77.2	SW.	..	..	..	Clear.
	14 15	26.	764.70	29.978	81.2	72.8	.702	(D. 63.3)	76.	SW.	..	..	½	Cu., S.
	16 15	27.	763.80	29.938	82.	71.5	.645	(A. 81.6)	74.1	SSW.	..	..	..	Ci-cu.
	18 15	....	.....	.....	....	....	....	9 P. M.:	....	.....	..	..	..	
	20 15	26.2	765.00	29.989	72.4	66.5	.582	(D. 62.5)	82.2	S. by W.	..	..	1	Ci-cu.
	22 15	25.2	766.00	30.033	69.3	65.4	.581	(A. 69.)	86.8	S. by W.	..	..	..	Ci-cu.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	m.													
25	0	15	24.6	765.25	30.006	66.5	63.2	.545	3 A. M.:	88.2	S.	..	..	1	Ci-cu.
	2	15	24.	764.60	29.984	64.	62.	.537	(D. 59.3)	90.5	S.	..	..	½	Ci-cu.
	4	15	22.8	764.25	29.976	62.3	61.	.526	(A. 63 6)	93.	S.	..	..	1	Ci., Ci-cu.
	6	15	22.2	764.90	30.004	66.5	64.5	.585	9 A. M..	91.	SSW.	..	..	1	Ci., Ci-cu., S.
	8	15	24.	765.10	30.003	72.	68.	.636	(D. 65.)	86.3	SW. by S.	..	..	..	Ci., Ci-cu., S., Ci-s.
	10	15	24.8	765.00	29.996	76.	69.8	.653	(A. 74.)	81.5	SW.	..	..	3	Ci., Ci-cu., S., Ci-s.
	12	15	26.	764.55	29.972	78.	70.5	.655	.....	79.	SW. by W.	..	..	6	Ci., Ci-cu., Cu.
	14	15	26.6	763.40	29.923	81.5	71.2	.641	.....	74.	SW. by S.	..	..	7	Ci., Ci-cu., Cu.
	16	15	26.9	763.10	29.910	78.4	69.5	.615	.....	76.	SW.	..	..	8	Ci., Ci-cu., Cu.
	18	15	26.3	763.55	29.931	66.5	65.5	.617	9 P. M.:	90.	WSW.	..	..	8	N., raining.
	20	15	25.2	763.15	29.920	66.4	65.	.601	(D. 62.)	92.2	S.	..	.55	8	N., ceased raining.
	22	15	24.2	763.10	29.923	66.	64.5	.590	(A. 66.)	91.	SSE.	..	..	8	N., Cu., Ci-cu., Cu-s.
26	0	15	23.7	762.60	29.907	65.	63.	.556	3 A. M.:	90.5	S.	..	..	7	N., Cu.
	2	15	23.	761.55	29.869	65.5	63.2	.556	(D. 60.)	90.8	S.	..	..	4	N., Cu.
	4	15	22.	761.30	29.864	65.5	64.	.580	(A. 65.7)	90.7	S.	..	..	6	N., Cu., Ci-cu., Ci.
	6	15	22.5	762.10	29.892	68.	65.	.583	.....	87.5	SW.	..	..	..	Cu., Ci-cu.
	8	15	23.	762.70	29.914	69.8	65.8	.589	.....	85.	WSW.	..	..	8	N., Cu., Ci-cu.
	10	15	23.	763.20	29.933	66.7	63.5	.552	.....	87.	W. by N.	..	..	8	N., rain.
	12	15	22.6	763.20	29.935	65.5	62.5	.534	3 P. M.:	87.	SW. by W.	..	.07	8	N., rain.
	14	15	22.8	763.00	29.926	70.	66.7	.616	(D. 62.5)	86.6	SW.	..	.03	8	Cu., Ci-cu., N.
	16	15	23.1	762.40	29.902	69.5	66.	.599	(A. 69.8)	87.	SSW.	..	..	8	Cu., Ci-cu., N.
	18	15	22.8	762.30	29.899	67.7	65.	.587	9 P. M.:	88.5	SSW.	..	..	8	Cu., Ci-cu., Ci-s., N.
	20	15	22.3	762.65	29.915	66.	63.7	.565	(D. 61.)	90.	SSW.	..	..	8	Cu., Ci cu., Ci-s., N.
	22	15	22.1	763.00	29.930	65.	63.5	.571	(A. 65.5)	91.2	S. by W.	..	..	8	Cu., Ci-cu., Ci-s., N.

Date.			Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h.	*m.*													
27	0	15	21.6	762.95	29.930	64.9	62.	.527	3½ A. M.:	91.	S. by W.	..	..	7	Cu., Ci-cu., N.
	2	15	21.3	762.65	29.920	64.	62.8	.561	(D. 60.)	91.5	S. by W.	..	..	7	Cu., Ci-cu., N.
	4	15	20.8	762.75	29.926	63.2	62.5	.560	(A. 63.8)	93.	S. by W.	..	..	8	Ci-cu., Ci-s., Ci.
	6	15	20.7	763.50	29.956	63.7	62.5	.555	9 A. M.:	94.	S. by W.	..	..	8	Ci-cu., Ci., N.
	8	15	20.7	764.05	29.978	66.1	64.5	.589	(D. 62.8)	91.3	S.	..	..	8	N., Ci-cu., rain.
	10	15	21.	764.40	29.991	68.6	65.6	.596	(A. 67.3)	88.	S. by E.	..	..	8	N., Ci-cu., rain.
	12	15	21.	764.25	29.985	68.2	65.2	.587	3 P. M.:	88.5	ESE.	..	..	8	N., Ci-cu., Cu., Cu-s., rain.
	14	15	21.6	764.25	29.981	68.5	66.5	.626	(D. 63.)	90.5	E. by N.	..	..	8	N., Ci-cu., Cu., Cu-s., rain.
	16	15	21.7	764.35	29.985	68.8	67.	.639	(A. 66.6)	91.5	S. by E.	..	..	8	N., ceased rain.
	18	15	21.9	764.25	29.980	67.5	65.	.589	9 P. M.:	90.	SE.	..	..	8	N., Cu., Ci-cu.
	20	15	21.8	764.50	29.991	65.	63.9	.581	(D. 61.5)	95.5	ESE.	..	..	8	N., light rain.
	22	15	21.1	764.65	30.000	64.	63.	.567	(A. 64.3)	94.2	ESE.	..	..	8	N., light rain.
28	0	15	21.	764.40	29.991	63.5	62.7	.563	3 A. M.:	93.9	SE. by S.	..	..	8	N., Cu.
	2	15	20.9	764.55	29.997	63.3	62.5	.559	(D. 60.2)	93.8	SSE.	..	..	8	N., light rain.
	4	15	20.8	764.60	29.999	63.6	63.	.571	(A. 63.2)	93.4	SSE.	..	..	8	N.
	6	15	20.5	765.35	30.029	64.5	63.8	.585	9 A. M.:	93.4	SSE.	..	..	8	Ci., Cu., N.
	8	15	21.	765.75	30.044	69.7	67.5	.645	(D. 64.)	89.	SSE.	..	..	8	Ci-cu., N.
	10	15	21.9	766.00	30.049	72.4	69.4	.679	(A. 70.)	87.	SSE.	..	..	8	Ci-cu., N.
	12	15	23.2	765.30	30.014	74.2	68.5	.628	3 P. M.:	81.	WSW.	..	..	3	Cu., Ci-cu., Cu-s.
	14	15	24.5	765.00	29.997	77.2	70.2	.654	(D. 66.5)	79.	WSW.	..	..	6	Cu., Ci-cu.
	16	15	25.5	765.50	30.017	77.3	72.	.716	(A. 78.8)	79.2	SSW.	..	..	6	Cu., Ci-cu., rain at 17*h.* 20*m.*
	18	15	25.3	764.50	29.974	74.6	70.	.676	9 P. M.:	84.	SSW.	..	.21	7	Cu., Ci-cu., Ci-s., Cu-s.
	20	15	24.7	764.90	29.993	68.5	65.6	.598	(D. 64.)	85.5	SW. by S.	..	..	1	Ci-cu., Ci-s.
	22	15	24.	764.85	29.994	66.2	64.5	.588	(A. 67.1)	92.	S. by W.	..	..	1	Ci-s.

Date.		Barometer.			Therm'rs, Fah.		Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 8ths.	Clouds, &c.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				Dir. points.	Force, lbs.			
	h. m.													
29	0 15	23.8	764.70	29.988	64.7	63.5	.575	.....	92.4	S. by W.	..	..	1	Ci-s.
	2 15	23.1	764.25	29.975	64.5	63.6	.580	.....	92.5	S. by W.	..	..	8	N.
	4 15	22.8	764.00	29.966	65.	64.	.586	.....	92.5	SSW.	..	..	8	N.
	6 15	22.6	764.45	29.985	65.2	64.5	.599	.....	93.	SSW.	..	..	8	N.
	8 15	22.	764.50	29.990	69.	66.6	.624	.....	88.5	SSW.	..	..	8	N., Cu.
	10 15	23.	764.35	29.979	73.2	69.2	.663	.....	85.5	SSE.	..	..	8	Cu., Ci-cu., N.
	12 15	23.8	763.50	29.940	73.4	70.5	.707	.....	83.5	S. by W.	..	..	6	Ci-s., Cu-s.
	14 15	24.5	762.60	29.903	75.1	68.8	.628	.....	79.5	SW.	..	..	7	Ci-s., with Ci. and Cu.
	16 15	26.	762.00	29.871	77.9	71.5	.691	.....	78.1	S. by W.	..	..	8	Ci-s., with Ci. and Cu.
	18 15	26.5	761.95	29.869	77.	69.5	.631	9 P. M.:	77.	SSW.	..	..	4	Ci-s., with Ci. and Cu.
	20 15	24.7	762.30	29.890	69.1	65.6	.591	(D. 64.)	83.2	S.	..	..	8	Ci-s., with Ci. and Cu.
	22 15	23.4	761.50	29.865	67.5	65.	.589	(A. 68.2)	90.	W.	..	.01	7	Cu-s., N., rain.
31	0 15	18.2	765.40	30.042	50.	....	....	3 A. M.:	84.	ENE.	..	..	..	Clear.
	2 15	17.3	764.75	30.022	48.	46.5	.314	(D. 46.5)	85.	NE. by N.	..	..	..	Clear.
	4 15	16.4	764.65	30.023	46.7	45.2	.300	(A. 47.5)	88.	NE.	..	..	..	Clear.
	6 15	16.	764.70	30.026	51.	49.	.339	9 A. M.:	85.5	N.	..	..	..	Clear.
	8 15	17.	765.00	30.033	58.8	51.8	.319	(D. 44.)	70.	ENE.	..	..	..	Clear.
	10 15	18.2	764.55	30 009	62.1	53.6	.327	(A. 60.5)	69.	ENE.	..	..	..	Clear.
	12 15	19.2	763.40	29.969	65.2	56.4	.365	.....	68.3	ENE.	..	..	½	Ci., Ci-s.
	14 15	20.2	762.80	29.931	67.5	56.2	.334	.....	63.5	ENE.	..	..	..	Clear.
	16 15	21.	762.00	29.896	69.7	56.7	.323	.....	60.	E. by S.	..	..	..	Clear.
	18 15	21.3	761.60	29.879	68.	57.	.350	.....	61.	NE.	..	..	..	Clear.
	20 15	21.2	761.85	29.890	59.	54.1	.374	.....	71.3	ESE.	..	..	..	Clear.
	22 15	19 8	762.00	29.902	53.8	50.4	.341	.....	84.	SE.	..	..	..	Clear.

Date.			Barometer.			Thermometers, Fah.						Wind.					Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, &c.	1.	2.	3.
	h.	m.																	
1	0	15	18.8	761.60	29.890	51.7	50.	....	.354	.....	89.	313	..	..	..	Clear.....	..	..	..
	2	15	18.	761.00	29.871	51.	50.	....	.362	.....	89.	315	..	..	.8	Cu., Ci	..	315	..
	4	15	17.4	761.40	29.889	49.8	49.	....	.352	.....	89.	316	..	..	1.0	Ci., hazy, dew and mist.	..	..	..
	6	15	16.7	761.25	29.887	51.6	50.5	....	.368	9 A. M.:	89.	315	..	..	1.0	N. (?)	..	..	..
	8	15	17.	761.00	29.876	56.1	53.8	....	.399	(D. 49.)	86.7	350	..	..	.8	Cu., Ci-cu., Ci-s.....	45	..	..
	10	15	17.5	760.60	29.858	59.	57.5	....	.464	(A. 58.)	82.	20	..	..	..	Clear.....	..	..	..
	12	15	19.	759.40	29.803	67.6	61.4	....	.479	3 P. M.:	77.5	45	..	..	..	Clear.....	..	..	..
	14	15	21.3	758.40	29.853	72.5	65.1	....	.538	(D. 57.3)	74.	40	..	..	..	Clear, (slight haze.)....	..	..	..
	16	15	22.7	757.65	29.717	74.8	66.2	....	.547	(A. 73.7)	72.5	40	..	..	..	Clear, (slight haze.)....	..	..	..
	18	15	23.1	757.50	29.710	73.5	66.	....	.555	9 P. M.:	74.8	20	..	..	.6	Light Ci s.....	..	..	..
	20	15	22 6	758.00	29.731	64.4	58.9	....	.442	(D. 54.)	79.	360	..	..	..	Ci-cu., Cu., (N.?).....	..	..	..
	22	15	21.9	758.55	29.756	61.	57.	....	.428	(A. 61.4)	82.2	360	..	.07	.9	Cu.....	..	..	..
2	0	15	21.	758.00	29.738	58.8	57.	....	.453	3 A. M.:	92.	35	..	..	.8	Ci., Ci-s., Ci-cu.....	45	45	90
	2	15	20.4	757 50	29.723	58.2	56.8	....	.454	(D. 55.)	93.	35	..	..	.4	Ci., Ci cu.....	..	..	..
	4	15	19.5	757.75	29.737	57.	55.7	....	.438	(A. 57.)	92.	270	..	..	.2	Ci., Ci-cu., Ci-s.....	..	..	..
	6	15	19 6	758.05	29.747	60.	58.3	....	.475	9 A. M.:	89.	200	..	..	.1	Ci , Ci s.....	..	..	..
	8	15	21.1	758.20	29.746	70.	65.6	....	.581	(D. 57.3)	83.	160	..	..	..	Very light Ci. and S....	..	..	..
	10	15	22.3	758.50	29.752	74.6	66.1	....	.545	(A. 72.5)	72.	190	..	..	.1	Very light Ci. and S....	..	..	.
	12	15	24.2	758.00	29.723	76.6	68.8	....	.612	.....	72.5	90	..	..	.3	Ci-cu., Ci-s.....	..	..	..
	14	15	25.3	757.30	29.691	80.6	67.7	....	.529	.....	65.	90	..	..	.2	Ci-cu., Ci-s.....	..	..	..
	16	15	26.2	757.00	29.675	82.5	69.5	....	.569	.....	64.3	90	..	..	..	Clear.....	..	..	..
	18	15	27.	757.00	29.671	79.3	69.8	....	.616	9 P. M.:	69.	50	..	..	..	Clear.....	..	..	..
	20	15	26.2	757.35	29.689	71.	64.3	....	.528	(D. 59.5)	71.6	50	..	..	..	Ci-s.....	..	..	..
	22	15	25.4	758.30	29.730	68.	62.	....	.492	(A. 69.)	80.	180	..	..	.9	Ci-cu., Ci-s., Cu.....	180	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
3	0 15	24.8	758.45	29.739	70.	63.7	....	.520	3 A. M.:	69.5	196	..	..	.6	Ci-cu., Ci-s.	..	225	..
	2 15	23.7	758.75	29.756	64.7	61.5	....	.514	(D. 53.2)	74.	192	..	..	.1	Ci-cu., Ci-s.	..	225	..
	4 15	....	.....	.....	62.	60.	....	.501	(A. 63.2)	73.5	177	..	..	..	Clear	..	..	..
	6 15	20.3	760.70	29.849	62.5	58.	....	.439	.....	72.5	173	..	..	..	Clear	..	..	..
	8 15	21.8	761.60	29.877	69.	57.8	....	.361	.....	69.	190	..	..	..	Clear	..	..	..
	10 15	22.5	761.70	29.877	70.6	57.6	....	.337	.....	64.2	180	..	..	..	Clear	..	..	..
	12 15	22.9	761.50	29.868	71.8	57.1	....	.310	.....	61.3	160	..	..	..	Clear	..	..	..
	14 15	23.6	761.00	29.844	74.6	57.5	....	.289	.....	57.	180	..	..	..	Clear	..	..	..
	16 15	24.5	760.50	29.821	76.8	58.1	....	.282	.....	55.	150	..	..	..	Clear	..	..	..
	18 15	24.8	760.30	29.812	75.8	62.	....	.404	9 P. M.:	57.	185	..	..	..	Clear	..	..	..
	20 15	24.	760.90	29.839	67.	56.5	....	.347	(D. 46.)	65.	160	..	..	..	Clear	..	..	..
	22 15	23.	761.60	29.871	62.	51.6	....	.277	(A. 62.5)	64.5	180	..	..	..	Clear	..	..	..
4	0 15	21.7	762.10	29.896	55.5	50.	44.5	.311	3 A. M.:	73.	66	..	..	..	Some light Ci-s.	..	..	..
	2 15	21.1	762.25	29.905	51.7	46.5	42.	.273	(D. 39.)	78.	182	..	..	..	Clear	..	..	..
	4 15	18.1	762.60	29.934	50.	48.	41.7	.327	(A. 51.7)	80.5	147	..	..	.1	Ci., Ci-s.	..	135	..
	6 15	18.2	763.05	29.949	51.8	48.4	....	.316	.....	78.5	182	..	..	.2	Ci., Ci-s.	..	135	..
	8 15	18.9	763.40	29.960	63.1	53.8	....	.321	.....	71.	170	..	..	..	Hazy	..	..	..
	10 15	20.3	763.30	29.950	68.5	58.2	....	.378	.....	70.	10	..	..	.2	S.	..	..	..
	12 15	21.7	762.35	29.906	72.3	61.6	....	.432	3 P. M.:	68.7	55	..	..	..	Hazy	..	..	..
	14 15	22.9	761.25	29.858	75.4	62.7	....	.430	(D. 56.)	65.6	66	..	..	..	Hazy	..	..	..
	16 15	24.7	760.95	29.838	77.9	65.	....	.472	(A. 77.5)	66.5	50	..	..	.2	Ci-s., Cu-s., hazy	..	..	..
	18 15	25.	760.45	29.816	74.5	65.3	....	.520	.....	72.5	50	..	..	.9	Ci., Ci-cu., Ci-s.	45	..	..
	20 15	24.6	760.35	29.814	69.5	63.5	....	.521	.....	80.	50	..	..	..	Ci-s.	..	..	..
	22 15	23.9	760.35	29.817	65.5	61.5	....	.505	.....	87.3	45	..	..	.05	Ci-s.	..	..	..

Date.		Barometer.			Thermometers, Fah.						Wind.					Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, &c.	1.	2.	3.
	h. m.																	
5	0 15	22.9	759.75	29.799	64.	61.5	....	.522	.....	90.	56	..	..	..	Clear.....	..	..	..
	2 15	22.4	759.55	29.792	63.5	61.4	....	.525	.....	90.8	51	..	..	..	Clear.....	..	..	..
	4 15	21.9	759.40	29.789	61.	57.5	....	.442	.....	91.	58	..	..	.1	Ci-s.....	..	..	..
	6 15	21.9	759.45	29.791	65.	62.	....	.525	.....	88.	60	..	..	..	Clear.....	..	..	..
	8 15	23.2	759.40	29.782	77.3	65.8	....	.505	.....	65.3	104	..	..	..	Clear.....	..	..	..
	10 15	24.8	759.00	29.760	81.8	67.2	....	.503	.....	62.	140	..	..	..	Clear.....	..	..	..
	12 15	27.	758.60	29.734	85.7	69.6	....	.541	.....	61.5	135	..	..	..	Clear, hazy.....	..	..	..
	14 15	28.2	758.30	29.715	88.5	69.8	....	.516	.....	59.	140	..	..	..	Clear, hazy.....	..	..	..
	16 15	29.3	758.30	29.711	89.	72.	....	.588	.....	61.	130	..	..	..	Clear, hazy.....	..	..	..
	18 15	29.	758.40	29.716	85.1	74.5	....	.723	9 P. M.:	67.	100	..	..	1.0	Cu., Ci-cu.....	..	..	..
	20 15	28.3	759.50	29.762	80.	70.	....	.617	(D. 65.)	69.	228	..	..	1.0	Ci-cu., Cu-s.....	..	..	..
	22 15	27.9	760.10	29.789	79.	68.5	....	.576	(A. 79.5)	69.	185	..	..	1.0	Ci-cu., Cu-s., S.....	..	..	..
7	0 15	22.9	764.40	29.982	60.	....	....	....	3 A. M.:	90.5	352	..	..	..	Clear.....	..	..	..
	2 15	22.	762.60	29.915	60.	58.5	....	.482	(D. 52.5)	92.5	32	.	..	..	Clear.....	..	..	..
	4 15	21.	763.00	29.934	59.	57.5	....	.465	(A. 59.5)	92.8	46	..	..	..	Clear.....	..	..	..
	6 15	20.8	763.20	29.943	63.	61.4	....	.530	9 A. M.:	92.	46	..	..	1.0	N., Cu.....	..	..	..
	8 15	21.2	763.10	29.938	67.8	65.6	....	.606	(D. 62.)	89.5	40	..	..	1.0	Ci., Ci-cu., Ci-s., S....	45	90	..
	10 15	22.5	762.85	29.922	74.	70.6	....	.704	(A. 68.3)	86.	40	..	..	.1	Ci cu., Ci-s.....	..	..	..
	12 15	25.2	762.30	29.887	78.9	71.9	....	.696	3 P. M.:	80.5	36	..	..	.1	Cu., Ci-cu., Ci-s.....	..	..	..
	14 15	26.1	761.10	29.836	82.8	74.9	....	.764	(D. 67.3)	77.5	40	..	..	.1	Ci-cu., Ci-s.....	..	135	..
	16 15	28.2	760.75	29.812	84.3	75.5	....	.771	(A. 82.7)	76.	50	..	..	.05	Hazy, Cu-s. in *N*.....	..	..	..
	18 15	28.	761.50	29.843	69.4	69.	....	.700	9 P. M.:	91.	180	..	..	1.0	N., Cu-s., rain.....	180	180	..
	20 15	26.5	760.75	29.822	71.5	69.5	....	.693	(D. 66.8)	86.6	110	..	.22	.9	Ci-cu., Ci-s., Cu-s.....	..	135	..
	22 15	26.2	760.60	29.817	71.7	70.5	....	.726	(A. 72.)	91.	56	..	..	1.0	Ci-cu., Ci-s.....	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																	
8	0	15	26.	760.75	29.823	71.5	70.5	71.3	.728	3 A. M.:	91.9	38	..	..	1.0	Cu., Ci-cu.	..	..	..
	2	15	25.7	761.80	29.865	70.5	69.5	69.	.704	(D. 63.)	93.4	54	..	..	..	Clear	..	..	..
	4	15	25.	760.70	29.826	70.	69.2	68.	.699	(A. 70.4)	91.	57	..	..	.2	Ci-cu., Cu.	..	..	..
	6	15	25.4	761.00	29.836	72.7	71.2	72.	.740	9 A. M.:	88.8	57	..	..	.05	Ci.	..	..	..
	8	15	27.	761.70	29.856	81.	73.5	....	.731	(D. 67.7)	77.3	180	..	..	..	Clear	..	..	..
	10	15	27.7	762.00	29.863	83.6	75.4	....	.775	(A. 81.6)	75.	126	..	..	..	Clear	..	..	..
	12	15	28.9	761.60	29.842	87.	76.5	....	.780	3 P. M.:	71.	74	..	..	.05	Ci-s., Cu. in Hor.	..	..	..
	14	15	29.8	760.75	29.806	89.5	74.5	....	.675	(D. 72.5)	64.6	100	..	..	.1	Cu., Cu-s.	..	..	..
	16	15	30.9	760.25	29.780	90.2	78.2	....	.814	(A. 90.8)	70.	30	..	..	.1	Ci., Cu., Ci-s., Cu-s.	..	..	..
	18	15	30.7	762.35	29.863	73.9	....	....	....	9 P. M.:	68.	180	..	..	1.0	Ci-cu., Cu-s., Cu.	..	90	..
	20	15	28.2	761.45	29.839	72.5	68.5	....	.647	(D. 66.)	85.3	135	..	..	1.0	N., (?) Cu., Ci-cu., Cu-s.	..	135	..
	22	15	26.9	760.95	29.827	72.4	67.7	....	.621	(A. 71.7)	85 2	90	..	..	1.0	Ci-cu., Cu-s.	..	90	..
9	0	15	26.8	760.80	29.822	73.2	66.7	....	.580	3 A. M.:	79.	125	..	..	1.0	Ci-cu., Cu., Cu-s.	..	135	..
	2	15	26.2	760.55	29.815	70.	67.5	....	.642	(D. 66.3)	85.	32	..	..	.9	Ci., Ci-cu., Ci-s.	..	90	..
	4	15	25.8	760.90	29.830	68.7	66.8	....	.634	(A. 69.9)	90.2	37	..	..	.7	Ci., Ci-s., Ci-cu.	..	..	..
	6	15	25.8	761.45	29.851	72.1	68.5	....	.652	9 A. M.:	81.5	66	..	..	.2	Ci-s , Ci-cu., Ci.	..	..	..
	8	15	26.3	761.10	29.835	77.3	71.6	....	.703	(D. 67.5)	82.	70	..	..	..	Clear	..	..	..
	10	15	27.9	761.25	29.834	83.2	74.6	....	.748	(A. 80.6)	75.5	125	..	..	..	Clear	..	..	..
	12	15	29.6	760.85	29.810	86.2	75.9	....	.766	.....	73.2	126	..	..	.1	Cu., Ci cu., Ci-s.	..	135	..
	14	15	30.5	760.20	29.779	88.7	75.4	....	.718	.....	70.	134	..	..	.3	Cu., Ci cu., Ci s.	90	225	90
	16	15	31.2	760.20	29 777	87.5	72.5	....	.623	.....	67.	155	..	..	.2	Ci-s., Ci-cu., S.	..	..	..
	18	15	30.8	760.50	29.790	85.	71.7	....	.621	9 P. M.:	68.	175	..	..	.5	Ci-s., Ci-cu., S.	..	..	..
	20	15	29.9	761.15	29.819	79.	69.8	....	.621	(D. 60.5)	72.	155	..	..	..	Clear	..	..	..
	22	15	28.6	761.95	29.858	75.4	65.4	....	.513	(A. 75.)	73.5	170	..	..	..	Clear	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
10	0 15	28.5	762.30	29.871	71.5	67.	67.6	.609	3 A. M.:	74.3	167	..	..	..	Clear	..	..	..
	2 15	26.8	761.75	29.858	67.6	67.2	67.	.660	(D. 56.)	78.	165	..	..	..	Clear	..	..	..
	4 15	26.	762.05	29.873	66.6	61.3	66.	.487	(A. 67.5)	79.1	166	..	..	.1	S., Cu	..	..	..
	6 15	25.2	762.75	29.905	67.5	62.	....	.497	9 A. M.:	80.8	177	..	..	.1	Cu., Ci	..	..	..
	8 15	26.	762.70	29.899	74.4	66.8	....	.570	(D. 59.8)	76.	180	..	..	.2	Ci., Ci-s	..	..	..
	10 15	26.5	762.90	29.906	78.2	68.	109.5	.567	(A. 76.4)	73.	240	..	..	.6	Ci., Ci s	..	180	180
	12 15	27.5	762.40	29.880	80.9	70.7	106.	.630	3 P. M.:	72.3	200	..	..	.7	Ci., Cu., Ci-s	0	180	180
	14 15	28.2	761.70	29.849	82.2	67.7	115.2	.512	(D. 63.2)	66.3	180	..	..	.1	Ci., Cu., Ci-cu	..	..	..
	16 15	29.	761.20	29.826	84.	68.9	....	.532	(A. 82.4)	65.1	100	..	..	..	Clear	..	..	..
	18 15	29.6	760.80	29.809	83.5	71.5	....	.631	9 P. M.:	67.3	80	..	..	..	Clear	..	..	..
	20 15	27.7	760.55	29.807	74.5	67.	....	.575	(D. 59.8)	76.	72	..	..	..	Clear	..	..	..
	22 15	26.5	760.40	29.808	70.9	65.3	65.5	.560	(A. 72.5)	80.5	72	..	..	..	Clear	..	..	..
11	0 15	25.5	760.75	29.825	67.5	65.7	66.	.612	3 A. M.:	87.	40	..	..	.1	S.	..	..	..
	2 15	25.3	759.00	29.757	68.2	67.3	67.	.656	(D. 64.)	86.5	58	..	..	.5	Ci., Ci-s., hazy	..	..	..
	4 15	24.8	759.65	29.786	66.	63.2	65.2	.551	(A. 66.9)	87.	57	..	..	..	S., Ci., Cu	..	..	..
	6 15	24.5	759.00	29.761	69.	63.7	....	.532	9 A. M.:	79.8	82	..	..	.4	Ci., S	..	..	..
	8 15	25.2	758.25	29.728	76.	68.	112.5	.593	(D. 57.7)	74.	90	..	..	..	Clear	..	..	..
	10 15	26.9	757.80	29.703	81.1	68.1	120.	.540	(A. 77.5)	65.8	95	..	..	.05	Ci-s	..	..	..
	12 15	28.7	756.55	29.645	84.8	70.7	117.6	.589	3 P. M.:	63.5	45	..	..	.1	Ci-s., Ci-cu	..	..	..
	14 15	29.	755.50	29.605	86.5	70.8	106.5	.573	(D. 62.)	62.	90	..	..	.1	Ci., Ci-s., Cu-s	..	..	..
	16 15	31.	755.00	29.574	88.5	74.2	98.	.674	(A. 88.3)	64.	87	..	..	.6	Ci., Ci-cu., Ci-s., Cu., Cu s.	..	..	..
	18 15	30.5	755.75	29.607	81.	68.8	....	.565	9 P. M.:	67.8	262	..	..	1.0	Cu., Ci-cu., Cu-s., rain	..	..	..
	20 15	27.7	754.80	29.583	73.5	68.5	....	.527	(D. 64.5)	81.	340	..	..	.2	Ci., Ci cu	..	..	..
	22 15	27.4	754.85	29.587	74.5	67.5	....	.593	(A. 72.5)	79.7	200	..	..	.1	Cu., Ci-cu	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
12	0 15	26.5	755.25	29.607	70.	66.2	....	.600	3 A. M.:	87.	174	..	..	1.0	Ci., Cu-s.....	..	..	..
	2 15	26.4	754.75	29.588	67.3	65.	....	.592	(D. 58.5)	85.	138	..	..	.3	Ci.....	..	..	..
	4 15	25.9	755.00	29.600	66.7	64.7	....	.589	(A. 67.)	86.5	169	..	..	.8	Ci., Ci-s., Cu-s.....	..	..	..
	6 15	25.3	756.40	29.655	69.2	64.7	....	.561	9 A. M.:	83.5	181	..	..	.9	Ci., Cu., Ci-cu., Cu-s..	..	..	..
	8 15	25.	757.20	29.688	70.2	61.4	....	.449	(D. 50.)	73.	200	..	..	.8	Ci., Ci-s.....	..	180	180
	10 15	25.3	757.80	29.711	70.2	59.6	....	.397	(A. 69.8)	68.3	200	..	..	.7	Ci., Ci-s.....	..	180	180
	12 15	25.7	758.20	29.724	72.2	61.	....	.416	3 P. M.:	66.5	220	..	..	.7	Ci., Ci-s.....	..	180	180
	14 15	25.9	758.35	29.729	73.2	61.8	....	.427	(D. 55.5)	66.5	177	..	..	.3	Ci., Ci-s., and Ci-cu....	..	180	180
	16 15	25.5	758.20	29.724	71.4	60.7	....	.417	(A. 74.)	68.5	250	..	..	1.0	Ci-cu., Ci-s., Cu-s.....	..	..	..
	18 15	25.	757.90	29.716	68.8	61.8	....	.477	9 P. M.:	73.	240	..	..	1.0	Ci-cu., Ci-s., Cu-s.....	112	112	..
	20 15	24.7	758.50	29.741	66.9	60.1	....	.449	(D. 50.)	75.	340	..	..	1.0	Ci-cu., Ci-s.....	90	..	..
	22 15	24.	758.40	29.740	64.	57.	....	.395	(A. 65.6)	74.	330	..	..	.7	Ci-cu., Ci-s.....	..	..	..
14	0 15	21.7	757.10	29.700	62.5	61.6	....	.542	.....	76.5	227	..	..	.9	S., (N.?) hazy.....	..	..	..
	2 15	21.3	757.20	29.706	62.3	61.	....	.526	.....	78.	185	..	..	.9	S., Cu., hazy.....	..	..	..
	4 15	21.2	757.25	29.709	61.5	60 5	....	.521	.....	89.	221	..	..	.7	S., Cu.....	..	..	..
	6 15	21.	758.40	29.754	62.8	61.2	....	.526	9 A. M.:	89.5	292	..	..	.8	Ci-s., Ci-cu., Cu.....	..	..	..
	8 15	20.5	757.40	29.717	64.1	61.6	....	.524	(D. 59.2)	86.7	260	..	..	1.0	Ci-s., Cu-s.....	270	..	..
	10 15	21.4	757.50	29.718	69.4	65.6	....	.588	(A. 64.3)	82.5	300	..	..	1.0	Ci-cu., Ci-s., Cu., S...	90	..	..
	12 15	22.8	756.85	29.685	73.3	68.5	....	.639	3 P. M.:	78.6	171	..	..	.9	Ci-cu., Cu., Ci-s.....	90	..	..
	14 15	24.	756.15	29.651	75.4	69.	....	.634	(D. 65.)	76.3	170	..	..	.9	Ci-cu., Cu., Ci-s.....	90	..	..
	16 15	25.	755.20	29.611	76.4	70.8	....	.684	(A. 76.7)	80.2	290	..	..	1.0	Ci-cu., N., rain.....	90	..	..
	18 15	24.2	756.25	29.654	70.5	67.5	....	.637	9 P. M.:	86.2	10	..	..	1.0	Ci-cu., N., rain.....	45	..	..
	20 15	23.3	756.50	29.668	67.	65.4	....	.607	(D. 64.5)	91.7	5	..	.05	1.0	Ci-cu., N., rain.....	45	..	..
	22 15	23.2	756.00	29.648	67.	65.4	....	.607	(A. 66.9)	92.2	17	..	.08	1.0	Ci-cu., N., rain.....	45	..	..

Date.			Barometer.			Thermometers, Fah.						Wind.					Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, &c.	1.	2.	3.
	h.	m.																	
15	0	15	22.5	755.75	29.643	66.9	65.7	....	.619	3 A. M.:	94.	266	..	..	1.0	N., Cu., light rain.....	..	..	..
	2	15	22.5	755.20	29.623	64.7	63.5	....	.575	(D. 58.3)	93.5	283	..	..	.9	Ci., Ci-cu., Ci s., N...	..	..	..
	4	15	22.3	755.00	29.616	65.5	64.3	....	.590	(A. 65.5)	93.5	302	..	..	1.0	Cu., N., fine rain.....	..	..	..
	6	15	21.8	756.10	29.660	65.7	64.6	....	.597	9 A. M.:	94.	37	..	.03	1.0	Cu , N., fine rain.....	..	..	..
	8	15	22.	756.65	29.681	65.9	63.6	....	.564	(D. 59.8)	89.5	200	..	.03	1.0	Ci-cu., Ci-s., N.....	180	..	..
	10	15	22.5	757.00	29.692	68.5	63.1	....	.521	(A. 68.5)	81.	200	..	..	1.0	Cu., Ci-cu., Cu-s.....	180	180	..
	12	15	23.	757.30	29.702	70.8	63.2	....	.498	3 P. M.:	75.	180	..	..	.9	Cu., Ci., Ci-cu.....	180	90	0
	14	15	23.8	757.30	29.697	72.8	63.4	....	.482	(D. 50.7)	70.5	180	..	..	.7	Cu., Ci., Ci-s.....	..	135	45
	16	15	24.2	757.55	29.706	73.5	61.2	....	.406	(A. 73.1)	65.8	180	..	..	.7	Ci., Ci-cu., Ci-s.....	135	90	90
	18	15	24.	758.10	29.728	72.	60.5	....	.403	9 P. M.:	66.5	180	..	..	..	Ci., Ci-cu., Ci-s.....	0	135	0
	20	15	22.7	759.50	29.789	65.3	59.5	....	.450	(D. 52.5)	72.6	158	..	..	..	Clear.....	..	..	..
	22	15	22.3	760.95	29.849	60.9	55.9	....	.400	(A. 61.7)	79.8	158	..	..	..	Clear.....	..	..	..
16	0	15	21.2	760.70	29.845	59.8	54.7	....	.381	.....	78.	154	..	..	.05	Ci.....	..	..	..
	2	15	20.8	760.45	29.836	58.7	53.6	....	.365	.....	78.3	152	..	..	.05	Ci.....	..	..	..
	4	15	20.	760.50	29.842	56.3	51.5	....	.339	.....	79.8	175	..	..	.5	S.....	..	..	..
	6	15	19.7	761.50	29.883	58.	52.5	....	.345	9 A. M.:	78.8	176	..	..	.6	S., Ci-cu.....	..	..	..
	8	15	19.8	762.75	29.932	63.8	57.	....	.397	(D. 50.)	76.3	180	..	..	..	Clear.....	..	..	..
	10	15	20.9	762.60	29.920	68.	61.6	106.2	.480	(A. 66.5)	72.3	175	..	..	..	Clear.....	..	..	..
	12	15	21.8	762.35	29.906	70.8	....	112.1	....	3 P. M.:	67.5	215	..	..	.2	Cu., Ci.....	22	135	..
	14	15	22.7	761.80	29.880	72.5	....	118.9	....	(D. 45.)	65.5	120	..	..	.5	Cu., Ci.....	..	180	90
	16	15	23.8	762.25	29.891	75.5	....	118.2	....	(A. 73.7)	63.	117	..	..	.8	Cu., Ci-s.....	..	..	..
	18	15	24.6	763.00	29.917	75.5	65.	....	.499	9 P. M.:	63.9	206	..	..	.6	Cu., Ci cu.....	..	..	..
	20	15	24.2	763.15	29.925	66.5	60.1	....	.453	(D. 53.3)	74.	206	..	..	..	Clear.....	..	..	..
	22	15	22.2	763.60	29.952	61.5	58.5	60.5	.464	(A. 64.5)	87.	15	..	..	..	Clear.....	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
17	0 15	21.4	763.75	29.963	59.1	57.3	....	.458	3 A. M.:	93.	19	..	..	.2	Cu., Ci.....	..	..	..
	2 15	21.	763.60	29.958	57.3	56.2	....	.449	(D. 50.5)	91.8	20	..	..	.4	Cu., Ci.....	..	..	..
	4 15	20.7	764.05	29.978	57.	56.1	....	.449	(A. 57.1)	94.	97	..	..	.3	Cu-s., Cu., S., Ci.....	..	..	..
	6 15	20.2	765.00	30.017	60.	57.5	....	.453	9 A. M.:	87.5	230	..	..	.9	S., Ci., Ci s.....	..	..	..
	8 15	21.2	765.40	30.029	68.4	63.7	....	.538	(D. 58.)	79.3	292	..	..	.4	Light Ci., Ci-cu., Ci-s..	..	90	90
	10 15	22.7	765.60	30.029	73.6	62.7	....	.450	(A. 70.8)	67.5	273	..	..	.8	Ci., Cu., Ci-cu., Ci-s..	45	90	90
	12 15	23.6	764.80	29.994	76.5	65.8	....	.514	3 P. M.:	68.	65	..	..	.4	Ci., Cu., Ci-cu., Ci s..	270	112	112
	14 15	24.6	764.20	29.965	78.5	67.	....	.530	(D. 56.)	66.	30	..	..	.7	Ci., Cu., Ci-cu.....	..	315	90
	16 15	25.1	764.25	29.965	75.3	65.7	....	.524	(A. 74.5)	69.	19	..	..	.6	Cu., Ci-cu., Ci.....	..	..	..
	18 15	24.9	764.40	29.971	72.7	63.7	....	.490	9 P. M.:	70.9	350	..	..	.8	Cu., Ci-cu., Ci.....	135	..	..
	20 15	23.7	765.00	30.001	67.4	59.5	....	.426	(D. 52.3)	73.1	345	..	..	.9	Cu., Ci-cu., Cu s.....	45	..	..
	22 15	22.7	765.25	30.015	65.	60.	....	.467	(A. 65.5)	81.	350	..	..	1.0	Ci-cu., Ci-s., Cu-s.....	..	..	..
18	0 15	23.4	765.00	30.002	64.8	60.6	....	.487	3 A. M.:	81.5	350	..	..	.5	N., Cu.....	..	..	..
	2 15	22.1	764.75	29.999	63.2	62.1	....	.549	(D. 53.8)	85.	290	..	.12	.4	N., light rain.....	..	..	..
	4 15	21.8	764.20	29.979	61.9	61.	....	.531	(A. 63.)	85.	296	..	..	.8	S., Cu., Ci., Ci-cu., N.	..	..	..
	6 15	21.5	764.70	30.000	61.8	60.5	....	.517	9 A. M.:	85.	55	..	.03	.7	Ci cu., N., rain.....	..	..	..
	8 15	21.	764.50	29.994	62.5	60.8	....	.518	(D. 58.3)	85.	290	..	..	1.0	Cu-s., N , rain.....	0	..	..
	10 15	20.7	763.75	29.966	62.4	60.9	....	.522	(A. 62 8)	89.5	290	..	.06	1.0	Ci-cu., Cu s., N., rain..	337	..	..
	12 15	20.8	763.50	29.955	61.6	61.3	....	.543	3 P. M.:	91.4	283	..	.40	1.0	Ci-cu., Cu., N., rain...	337	..	..
	14 15	20.5	763.00	29.936	60.5	59.1	....	.492	(D. 57.)	89.5	275	..	.35	1.0	Cu., Cu-s.....	337	..	..
	16 15	20.	762.55	29.922	60.4	58.9	....	.487	(A. 60.7)	90.	270	..	..	1.0	Cu., N., Cu-s., Ci cu..	315	..	..
	18 15	19.9	762.00	29.900	60.	58.5	....	.481	9 P. M.:	92.	250	..	..	1.0	Cu., Ci-cu., N., rain...	315	..	..
	20 15	19.5	762.00	29.903	58.	57.2	....	.467	(D. 57.)	93.5	250	..	.05	1.0	Cu., Ci cu., N., rain...	..	..	..
	22 15	19.	762.00	29.905	59.	58.	....	.478	(A. 58.8)	93.	250	..	.09	1.0	N., rain.....	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
19	0 15	19.	761.20	29.874	60.	59.5	....	.509	3 A. M.:	92.1	257	..	.12	1.0	N., rain.....	..	..	..
	2 15	18.8	760.45	29.845	60.7	60.	....	.515	(D. 58.)	93.	280	..	.15	.8	N.....	..	..	..
	4 15	18.8	760.35	29.841	61.3	60.8	....	.531	(A. 60.8)	91.5	240	..	.02	1.0	N., rain.....	..	..	..
	6 15	18.7	761.00	29.868	61.8	60.3	....	.511	9 P. M.:	92.8	207	..	..	.9	N., Cu., mist.....	..	..	..
	8 15	18.9	761.30	29.878	62.5	61.3	....	.533	(D. 60.3)	91.	220	..	..	1.0	Ci-s., Cu s.....	225	..	..
	10 15	19.1	761.35	29.879	64.4	62.7	....	.553	(A. 63.)	90.	210	..	..	1.0	Ci-s., Cu-s.....	270	..	..
	12 15	19.8	761.50	29.883	64.7	62.6	....	.547	3 P. M.:	89.	210	..	..	1.0	Ci-s., Cu-s.....	247	..	..
	14 15	20.1	761.40	29.877	66.4	63.4	....	.552	(D. 60.2)	87..	220	..	..	1.0	Ci-cu., Ci-s , Cu-s.....	..	..	..
	16 15	20.5	761.40	29.874	66.5	63.4	....	.551	(A. 66.5)	87.	220	..	..	1.0	Ci-cu., Ci s., Cu s.....	180	..	..
	18 15	20.5	761.60	29.882	66.	63.	....	.544	9 P. M.:	87.	216	..	..	1.0	Cu., Ci-cu., Cu s.....	225	..	..
	20 15	20.3	761.70	29.888	62.9	60.6	....	.508	(D. 59.)	89.	240	..	..	.3	Ci., Ci-cu., Cu-s.....	270	202	..
	22 15	20.	761.80	29.893	60.	59.	....	.495	(A. 62.5)	91.	240	..	..	..	Clear.....	..	..	..
21	0 15	22.7	763.80	29.958	65.	64.8	....	.611	.....	90.	61	..	..	.05	Ci., Cu.....	..	..	..
	2 15	22.	764.05	29.972	64.	62.8	....	.561	.....	90.	243	..	..	.1	Cu.....	..	..	..
	4 15	21.8	765.00	30.010	65.	64.	....	.586	.....	91.5	250	..	..	.9	Ci s., S., N.....	135	..	..
	6 15	21.3	765.85	30.046	63.2	61.6	....	.534	9 A. M.:	90.5	260	..	..	1.0	Ci-s., N.....	..	..	..
	8 15	21.	766.60	30.078	62.5	61.	....	.524	(D. 59.6)	90.5	280	..	..	1.0	Ci s.....	270	..	..
	10 15	20.9	767.10	30.097	64.5	61.7	....	.523	(A. 63.)	86.3	280	..	..	1.0	Ci-s., Ci-cu.....	315	..	..
	12 15	21.5	767.15	30.097	68.6	64.2	....	.552	3 P. M.:	81.5	283	..	..	1.0	Cu., Ci cu.....	315	..	..
	14 15	22.	767.15	30.094	70.5	65.4	....	.568	(D. 61.)	80.	320	..	..	1.0	Cu., Ci cu.....	315	90	..
	16 15	22.5	767.15	30.091	70.	64.5	....	.545	(A. 71.7)	80.1	315	..	..	1.0	Cu., Ci-cu.....	315	..	..
	18 15	22.2	767.00	30.086	67.9	62.5	....	.508	9 A. M.:	80.2	335	..	..	1.0	Ci-cu., Cu-s.....	45	..	..
	20 15	21.8	767.05	30.091	64.6	60.5	....	.486	(D. 57.4)	82.2	340	..	..	1.0	Ci-cu., Cu s.....	..	..	..
	22 15	21.2	766.90	30.089	62.5	59.8	....	.490	(A. 64.)	87.	313	..	..	..	Clear.....	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
22	0 15	21.	766.65	30.080	62.7	60.3	....	.501	3 A. M.:	89.	322	..	..	.8	Ci s., Cu.....	..	..	..
	2 15	20.7	766.40	30.071	62.8	61.1	....	.524	(D. 54.5)	90.	321	..	..	.9	Ci-s.....	..	..	..
	4 15	20.3	766.60	30.081	63.	61.2	....	.524	(A. 63.)	90.5	355	..	..	1.0	Ci., Ci-cu., Ci s.....	..	..	..
	6 15	20.3	766.00	30.057	63.9	62.1	....	.541	9 A. M.:	90.3	359	..	..	1.0	Ci-s., Ci-cu., Cu.....	..	..	..
	8 15	20.1	765.70	30.046	65.2	63.2	....	.560	(D. 60.8)	90.	0	..	..	1.0	Ci-s., Ci-cu., Cu.....	0	..	..
	10 15	20.3	765.40	30.033	66.8	64.6	....	.584	(A. 65.6)	89.	0	..	..	1.0	Ci-cu., Ci-s., N., rain..	0	..	..
	12 15	20.5	765.25	30.025	65.7	64.7	....	.600	3 P. M.:	91.	330	..	.20	1.0	N., Ci-cu.....	315	..	..
	14 15	20.8	764.35	29.989	68.7	67.7	....	.663	(D. 66.8)	91.	335	..	.03	1.0	N., rain.....	337	..	..
	16 15	21.2	763.40	29.950	70.7	69.4	....	.698	(A. 69.4)	91.1	330	..	.03	1.0	Ci-cu., N.....	337	..	..
	18 15	21.8	762.90	29.928	71.8	69.8	....	.700	9 P. M.:	89.9	315	..	..	.7	Ci-cu., Cu-s.....	22	..	..
	20 15	21.9	762.45	29.909	68.8	67.	....	.639	(D. 64.7)	91.6	350	..	..	1.0	Ci-cu., Cu-s.....	45	..	..
	22 15	21.9	762.60	29.915	67.2	65.8	64.8	.618	(A. 68.1)	92.	0	..	..	.2	Ci cu., Cu-s.....	..	..	..
23	0 15	21.8	762.45	29.910	67.8	66.3	67.	.627	3 A. M.:	92.8	353	..	..	.6	Cu., Ci., Ci-s.....	45	0	..
	2 15	21.8	761.20	29.861	67.7	66.7	....	.642	(D. 59 5)	94.	351	..	..	1.0	N., rain.....	..	..	..
	4 15	21.8	761.00	29.853	68.	67.3	....	.658	(A. 67.6)	94.1	352	..	..	.9	Ci-s., Cu s.....	..	..	..
	6 15	21.9	760.60	29.837	69.1	68.7	....	.693	9 A. M.:	93.8	352	..	..	.8	Ci-s., S.....	..	..	..
	8 15	22.	760.60	29.837	72.	70.9	....	.736	(D. 69.6)	91.5	0	..	..	1.0	Ci-s., Ci-cu.....	..	..	..
	10 15	23.2	760.35	29.820	76.8	74.	....	.796	(A. 73.)	88.4	115	..	..	.8	Cu., Ci-cu., N.....	90	45	157
	12 15	25.8	760.05	29.796	80.7	75.8	....	.822	3 P. M.:	83.	70	..	..	.8	Cu., Ci cu , N.....	22	45	90
	14 15	27.	759.50	29.769	83.	77.5	....	.864	(D. 73.4)	83.	30	..	..	.6	Cu., Ci-cu.....	22	90	..
	16 15	28.	759.15	29.750	83.8	77.	....	.835	(A. 83.2)	83.	305	..	..	.7	Cu., Ci-cu., N., Cu s..	..	..	..
	18 15	28.4	758.95	29.741	83.	78.	....	.885	9 P. M.:	84.7	19	..	..	.9	Cu., Ci-cu., Cu-s.....	45	45	45
	20 15	27.3	759.50	29.767	75.	73.	....	.779	(D. 70.5)	90.3	35	..	..	.2	Ci., Cu , Ci-s., Cu-s...	90	90	90
	22 15	26.7	759.60	29.774	73.5	72.	....	.759	(A. 74.5)	91.7	35	..	..	.9	Cu-s. (?).....	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
24	0 15	26.2	759.50	29.773	73.2	71.9	....	.759	.....	92.3	33	..	..	1.0	Ci cu., N., rain.....	..	..	..
	2 15	25.9	758.90	29.751	71.5	70.2	68.8	.718	.....	92.	63	..	..	.6	S, fog.....	..	..	..
	4 15	25.1	759.75	29.788	68.8	67.2	....	.646	.....	92.5	63	..	..	1.0	S.....	..	..	..
	6 15	25.2	759.75	29.787	71.5	70.8	....	.738	.....	92.	48	..	..	..	.....	..	..	..
	8 15	25.9	750.55	29.816	76.8	73.9	....	.792	.....	88.5	165	..	..	.5	Ci., Ci cu., Ci-s.....	..	..	..
	10 15	27.3	750.70	29.815	82.2	77.	112.	.853	.....	81.	45	..	..	.6	Ci., Cu., Ci-cu., Ci-s..	270	337	90
	12 15	28.5	750.90	29.817	85.1	78.2	120.5	.870	.....	80.3	45	..	..	.5	Ci., Cu., Ci-cu., Ci-s..	0	0	90
	14 15	29.8	750.65	29.802	84.9	77.	114.	.823	.....	79.	40	..	..	.3	Ci., Cu., Cu-s.....	45	..	90
	16 15	30.5	750.50	29.791	86.5	76.6	114.	.790	.....	74.7	39	..	..	.7	Ci., Ci-cu., Cu.....	..	..	..
	18 15	30.6	750.40	29.787	84.8	76.1	....	.789	9 P. M.:	76.7	42	..	..	.4	Ci., Ci-s., Cu., Ci-cu..	..	..	..
	20 15	29.2	751.15	29.823	78.6	75.	....	.814	(D. 72.8)	89.	20	..	..	..	Ci s.....	..	..	..
	22 15	28.	751.70	29.851	75.	72.5	....	.761	(A. 77.)	90.2	20	..	..	..	Ci-s.....	..	..	..
25	0 15	....	.....	.....	....	....	....	....	3 A. M.:	....	...	..	..	..	.....	..	..	..
	2 15	....	.....	.....	....	....	....	....	(D. 70.)	....	...	..	..	..	.....	..	..	..
	4 15	26.2	761.55	29.854	71.6	71.	....	.744	(A. 71.6)	94.	250	..	..	1.0	Foggy.....	..	..	..
	6 15	26.1	762.25	29.881	70.5	69.6	....	.708	9 A. M.:	93.8	256	..	..	1.0	Foggy.....	..	..	..
	8 15	25.7	762.20	29.880	72.	71.	....	.740	(D. 70.6)	92.5	260	..	..	1.0	S.....	..	..	..
	10 15	25.9	762.10	29.876	75.4	73.2	....	.782	(A. 73.7)	89.	190	..	..	1.0	S., Ci-s.....	..	..	..
	12 15	26.7	762.00	29.868	76.5	74.4	....	.815	3 P. M.:	88.	250	..	..	1.0	Ci s, Ci-cu., Cu s.....	315	0	45
	14 15	27.	761.40	29.844	75.	74.	....	.816	(D. 71.8)	91.5	260	..	.24	1.0	Cu., Cu-s., Ci-s.. N., rain	270	45	..
	16 15	26.6	761.65	29.855	72.	70.4	....	.718	(A. 74.)	93.	220	..	1.23	1.0	Cu., Cu-s., N., rain....	225	..	..
	18 15	26.2	761.45	29.850	72.5	71.5	....	.752	9 P. M.:	93.1	260	..	..	1.0	Cu., Cu-s., N., rain....	315	..	..
	20 15	25.7	761.50	29.853	72.5	71.7	....	.759	(D. 72.)	93.	260	..	..	1.0	Cu., Cu-s., N., rain....	315	..	..
	22 15	25.3	761.25	29.846	72.	71.8	....	.768	(A. 72.1)	93.	265	..	..	1.0	Cu,, Cu-s., S., Ci s....	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
26	0 15	25.3	760.30	29.809	72.8	72.2	....	.774	3 A. M.:	92.8	312	..	..	.8	Ci-s., N	..	..	..
	2 15	25.2	759.90	29.793	72.7	72.1	....	.771	(D. 70.5)	93.	357	..	..	1.0	Ci-s., Ci-cu., N	..	..	..
	4 15	25.	760.20	29.806	72.6	72.	....	.768	(A. 72.7)	92.5	*1	..	.01	.9	N., Ci-s., S	180	157	..
	6 15	25.1	760.65	29.824	73.1	72.5	....	.781	9 A. M.:	93.4	21	..	..	.8	N., Ci-cu., Ci-s	225	225	..
	8 15	25.5	761.00	29.834	76.5	73.	....	.762	(D. 70.3)	88.	30	..	..	.8	Cu., Ci-cu., Ci s	45	270	180
	10 15	26.8	760.90	29.825	80.	74.4	....	.776	(A. 78.1)	83.	30	..	..	.7	Cu., Ci-cu	45	270	..
	12 15	27.9	760.75	29.814	82.3	76.4	....	.828	3 P. M.:	80.5	45	..	..	.9	Cu., Ci., Ci-cu	45	90	135
	14 15	28.5	760.60	29.805	82.9	74.6	....	.752	(D. 69.5)	77.	45	..	..	.8	Cu., Ci., Ci-cu	45	..	90
	16 15	29.	760.30	29.791	82.	74.3	....	.750	(A. 82.)	77.5	45	..	..	1.0	Cu , Ci-cu	45	..	67
	18 15	28.	760.60	29.808	78.5	73.5	....	.759	9 P. M.:	81.	60	..	..	1.0	Cu., Ci-cu., Cu-s	67	..	..
	20 15	27.7	761.00	29.824	75.	72.4	....	.757	(D. 70.)	88.8	15	..	..	.7	Cu., Ci-cu., Cu-s	..	67	..
	22 15	27.1	760.20	29.795	73.7	71.7	....	.746	(A. 74.)	91.7	25	..	..	.9	Ci-cu	..	45	..
28	0 15	25.1	761.35	29.851	69.2	69.	....	.702	3 A. M.:	90.	56	..	..	.3	Ci., Ci-cu., Ci-s	..	..	..
	2 15	24.5	761.75	29.870	67.6	66.	66.1	.620	(D. 59.5)	90.	41	..	..	.1	Ci-s	..	..	..
	4 15	23.8	762.30	29.893	65.2	63.5	62.	.569	(A. 67.)	90.	84	..	..	.2	Ci-s., S	..	..	..
	6 15	24.	762.65	29.907	68.5	65.	....	.578	9 A. M.:	85.	100	..	..	..	Clear	..	..	..
	8 15	24.4	763.10	29.922	72.6	67.4	....	.610	(D. 62.)	81.5	90	..	..	.05	Cu	90	..	..
	10 15	25.	763.20	29.923	75.5	68.2	121.3	.604	(A. 74.4)	77.	110	..	..	.1	Cu., Ci-s	90	..	..
	12 15	26.	763.10	29.914	77.6	69.6	112.5	.628	3 P. M.:	75.	115	..	..	.8	Cu., Ci-cu., Ci-s	112	90	56
	14 15	26.9	763.15	29.912	80.	71.6	95.	.672	(D. 59.5)	73.	112	..	..	.6	Cu., Ci-cu., and Ci	90	157	304
	16 15	28.	762.80	29.894	81.3	70.3	....	.612	(A. 70.4)	70.	120	..	..	.5	Cu., Ci-cu., Ci-s	90	90	90
	18 15	28.1	762.70	29.890	81.	74.3	....	.760	9 P. M.:	72.5	85	..	..	..	Ci-cu	..	..	..
	20 15	27.3	763.40	29.920	74.3	71.	....	.714	(D. 67.5)	82.5	68	..	..	..	Cu-s	..	..	..
	22 15	26.7	763.50	29.927	72.	68.8	....	.663	(A. 72.)	87.	68	..	..	..	Cu-s	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
29	0 15	26.	763.70	29.938	70.2	68.	67.	.656	3 A. M.:	88.8	66	..	..	..	Clear	..	..	..
	2 15	25.5	763.85	29.946	67.8	65.9	62.5	.613	(D. 62.5)	89.	70	..	..	.1	Ci-cu	..	.	..
	4 15	24.8	764.00	29.957	66.1	64.5	64.	.589	(A. 67.2)	92.5	28	..	..	.1	S., Ci-s	..	..	..
	6 15	24.8	764.15	29.963	70.9	68.	....	.649	9 A. M.:	87.5	62	..	..	..	Clear	..	..	..
	8 15	25.7	765.00	29.990	77.3	70.5	....	.663	(D. 66.8)	78.5	120	..	..	..	Clear	..	..	..
	10 15	26.7	764.70	29.975	80.8	73.	123.	.714	(A. 79.)	76.5	120	..	..	..	Clear	..	..	..
	12 15	28.4	764.75	29.969	83.6	75.	126.3	.758	3 P. M.:	73.8	108	..	..	.05	Cu	90	..	..
	14 15	29.8	764.15	29.939	85.3	75.5	119.	.759	(D. 69.5)	71.5	110	..	..	.05	Cu	90	..	..
	16 15	30.3	763.40	29.905	86.5	76.	115.	.766	(A. 85.7)	70.5	60	..	..	..	Few detached Cu	..	..	..
	18 15	30.2	763.50	28.909	84.8	76.5	....	.805	9 P. M.:	76.2	60	..	..	.1	Light Ci., Ci-s	..	..	..
	20 15	29.2	763.40	29.91[illegible]	78.6	74.5	....	.795	(D. 69.7)	83.	60	..	..	..	Clear	..	..	..
	22 15	27.2	763.40	29.920	74.1	71.6	70.2	.738	(A. 77.5)	88.	60	..	..	..	Clear	..	..	..
30	0 15	27.4	763.45	29.921	73.2	70.	68.8	.691	3 A. M.:	88.9	58	..	..	.1	Ci	..	..	..
	2 15	26.8	763.25	29.916	72.6	69.4	67.5	.677	(D. 62.8)	87.	78	..	..	..	Clear	..	..	..
	4 15	25.8	763.40	29.927	68.8	67.	67.	.639	(A. 70.2)	89.	56	..	..	.2	Ci-s., S	..	..	..
	6 15	26.	763.35	29.924	73.7	71.	....	.721	9 A. M.:	87.2	46	..	..	.05	Ci., S	..	..	..
	8 15	27.7	763.80	29.934	80.4	73.6	....	.740	(D. 67.5)	79.	110	..	..	..	Clear	..	..	..
	10 15	28.8	763.80	29.928	84.4	74.1	121.	.716	(A. 82.2)	74.	100	..	..	..	Clear	..	..	..
	12 15	30.8	763.30	29.899	86.6	75.2	122.	.733	3 P. M.:	71.	95	..	..	.3	Cu	90	..	..
	14 15	31.3	762.00	29.846	88.	74.8	124.	.703	(D. 65.)	68.	100	..	..	.1	Cu	90	..	..
	16 15	31.3	761.30	29.819	88.5	76.5	121.	.764	(A. 88.5)	69.8	98	..	..	.3	Cu	90	..	..
	18 15	31.6	761.00	29.805	85.8	75.9	....	.770	9 P. M.:	73.2	45	..	..	..	Clear	.	..	..
	20 15	30.7	761.15	29.815	80.3	73.5	....	.739	(D. 66.5)	79.	55	..	..	..	Cu-s. in *W*	..	..	..
	22 15	30.1	761.55	29.835	77.	72.	....	.720	(A. 78.5)	93.	60	..	..	..	Cu-s. in *W*	..	..	..

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

ORDINARY METEOROLOGICAL OBSERVATIONS,

FROM JULY TO DECEMBER, 1841.

GENERAL NOTES.

On May 11th, a new spring was put in the anemometer, for regulating the force of wind, which decreased the scale of motion of the pencil.

The instruments, times of recording, and matters relating to the observations generally, are otherwise as before explained in the general notes.

The height of the cistern of the barometer above mean tide at the Schuylkill water works, is 112.3 feet.

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																	
1	0	15	27.8	761.00	29.824	74.6	72.	68.8	.745	3 A. M.:	86.	68	..	..	.3	Ci., Cu., Ci-cu.	135	..	..
	2	15	27.6	760.70	29.814	73.	71.3	70.5	.739	(D. 63.8)	89.	37	..	..	.05	Ci-cu.	..	..	..
	4	15	26.9	760.25	29.799	71.5	70.	70.	.710	(A. 72.2)	88.6	36	..	..	.5	Ci., Ci-cu., S.	90	..	45
	6	15	27.4	760.20	29.794	75.5	73.5	....	.791	9 A. M.:	88.	43	..	..	.2	Ci., Ci-cu., Cu-s.	..	..	..
	8	15	28.5	760.10	29.785	82.	74.	....	.759	(D. 68.)	76.4	70	.1	..	.6	Cu., Cu-s., Ci-s.	..	45	..
	10	15	29.	759.90	29.775	83.7	74.6	125.	.743	(A. 81.5)	74.	90	.3	..	.3	Ci., Cu., Ci-s.	..	90	..
	12	15	30.8	759.00	29.730	86.8	76.5	122.	.781	3 P. M.:	73.	100	.3	..	.4	Ci., Cu., Ci-s., Cu-s.	..	90	..
	14	15	31.3	758.40	29.705	88.2	76.	....	.748	(D. 66.)	70.2	130	1.0	..	.4	Ci., Cu., Ci-s., Cu-s.	..	..	..
	16	15	31.2	758.80	29.722	75.4	71.2	....	.709	(A. 88.)	86.	130	.8	.04	1.0	Cu., Ci-cu., Cu-s.	135	45	..
	18	15	30.6	759.30	29.743	77.3	73.4	....	.767	9 P. M.:	78.	193	.2	.13	1.0	Ci-cu., Cu-s.	135	..	..
	20	15	29.	759.95	29.777	75.7	72.	....	.733	(D. 71.)	91.6	45	..	..	1.0	Ci-cu., Cu-s.	..	..	..
	22	15	27.3	760.20	29.795	74.5	72.	....	.747	(A. 74.)	90.	45	..	..	1.0	Ci-cu., Cu-s.	..	..	..
2	0	15	27.4	759.85	29.780	73.2	71.	....	.726	3 A. M.:	89.8	150	.1	..	.9	Ci., Ci-cu.	..	..	..
	2	15	26.7	760.35	29.804	72.	69.2	69.2	.676	(D. 61.8)	89.	180	.3	..	.9	Ci., Ci-cu.	..	..	..
	4	15	25.8	760.95	29.832	70.8	67.5	....	.632	(A. 71.7)	88.5	211	.3	..	.8	Ci., Ci-cu., Ci-s.	90	45	..
	6	15	25.5	761.15	29.840	70.5	64.6	....	.542	9 A. M.:	81.	212	.2	..	.7	Ci., Ci-cu.	90	135	..
	8	15	24.8	761.80	29.870	71.5	62.1	....	.454	(D. 53.)	71.	180	..	..	.9	Ci., Ci-cu., Ci-s.	..	90	..
	10	15	25.5	762.00	29.875	75.4	63.7	....	.458	(A. 72.8)	68.3	205	.5	..	.7	Ci., Ci-cu., Ci-s.	..	135	..
	12	15	26.9	761.90	29.864	76.7	64.	....	.457	3 P. M.:	66.5	120	.3	..	.4	Ci., Ci-cu., Ci-s.	..	90	..
	14	15	26.8	761.50	29.849	78.2	64.5	....	.456	(D. 46.)	64.4	125	.1	..	.6	Cu., Ci-cu., Ci-s.	..	90	..
	16	15	26.8	761.20	29.837	78.2	63.5	....	.426	(A. 79.2)	63.	160	.1	..	.7	Ci., Cu., Ci-cu., Ci-s.	..	90	..
	18	15	26.5	761.40	29.847	76.6	67.4	....	.567	9 P. M.:	70.	150	..	..	.8	Ci., Cu., Ci-cu., Ci-s.	..	90	..
	20	15	25.	762.00	29.876	71.1	60.7	....	.417	(D. 51.3)	69.5	190	..	..	.8	Ci., Ci-cu., Ci s.	..	90	..
	22	15	23.5	762.50	29.903	66.	56.8	62.5	.365	(A. 68.3)	71.	195	..	..	.3	Ci., Ci-cu., Ci-s.	..	90	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																	
3	0	15	23.	763.15	29.931	63.4	54.	47.5	.323	3 A. M.:	71.	236	..	..	.4	Ci.	..	90	..
	2	15	21.7	763.00	29.931	58.2	53.	....	.356	(D. 46.5)	77.	212	..	..	.5	Ci., Ci-cu.	..	..	..
	4	15	21.5	763.00	29.932	58.	52.8	....	.353	(A. 58.6)	79.	190	..	..	.7	Ci., Ci-s., S.	135	90	..
	6	15	21.	763.45	29.952	59.2	56.	....	.422	9 A. M.:	79.4	319	..	..	.9	Ci., Ci-cu., S	90	135	90
	8	15	21.8	763.60	29.955	66.2	57.2	....	.375	(D. 51.)	74.	260	.1	..	.5	Ci., Ci-cu., Ci-s.	..	90	..
	10	15	22.9	763.50	29.946	71.	62.6	....	.476	(A. 68.3)	74.	270	.3	..	.6	Ci., Cu., Ci-cu., Ci-s	..	90	..
	12	15	23.3	763.20	29.931	71.4	60.8	....	.418	3 P. M.:	69.5	190	.1	..	.7	Ci., Cu., Ci-cu.	..	..	..
	14	15	23.8	762.55	29.903	73.	61.7	111.5	.427	(D. 47.5)	68.	132	..	..	.3	Cu., Ci-cu., Ci-s	..	180	..
	16	15	24.7	762.00	29.878	74.3	62.	107.8	.421	(A. 73.3)	67.	135	..	..	.1	Cu., Ci-cu., Ci-s	..	..	..
	18	15	25.	762.10	29.880	74.4	62.9	....	.447	9 P. M.:	66.8	127	..	..	.1	Cu., Ci-cu., Ci-s	..	135	..
	20	15	23.8	762.70	29.909	69.	59.5	....	.409	(D. 47.3)	71.5	180	..	..	.1	Cu., Ci-cu.	..	..	..
	22	15	21.6	763.40	29.947	63.2	56.	61.2	.377	(A. 65.)	74.	200	..	..	.4	Ci-cu	..	..	..
5	0	00	21.9	762.80	29.923	60.8	60.5	....	.529	3 A. M.:	72.9	58	..	..	.05	Ci.	..	..	..
	2	00	21.5	762.20	29.902	60.3	57.4	....	.447	(D. 55.5)	72.4	58	..	..	.1	Ci.	..	90	..
	4	00	21.	761.60	29.880	60.8	59.	....	.486	(A. 60.4)	73.	26	..	..	.3	Ci., Cu., S., Ci-s	135	90	45
	6	00	21.	761.20	29.864	66.1	64.	....	.573	9 A. M.:	88.	30	..	..	.8	Ci-cu., Ci-s., S	90	90	0
	8	00	22.	760.80	29.845	70.2	67.2	....	.630	(D. 64.5)	87.5	60	..	..	.6	Cu., Ci-cu	90	90	0
	10	00	24.	760.40	29.818	75.8	70.2	....	.668	(A. 72.2)	82.	70	.2	..	.3	Cu., Ci-cu	90	..	45
	12	00	26.5	760.15	29.798	79.4	69.6	....	.610	3 P. M.:	73.	28	.5	..	.7	Ci., Cu., Ci-cu	90	348	..
	14	00	28.2	759.00	29.744	82.5	69.3	105.	.566	(D. 66.)	66.3	45	1.2	..	.3	Cu., Ci-s.	..	90	..
	16	00	29.	757.90	29.697	83.5	68.3	100.2	.521	(A. 83.6)	64.	40	2.1	..	.1	Cu., Ci-s.	..	..	..
	18	00	28.	757.60	29.690	79.4	69.3	....	.598	9 P. M.:	70.5	70	1.0	..	.8	Cu., Ci-cu., Ci-s	..	90	..
	20	00	27.1	758.30	29.722	76.	69.	....	.626	(D. 59.3)	76.5	34	..	..	.9	Ci-cu., Cu-s., N.	..	135	..
	22	00	26.	758.70	29.742	66.7	65.	....	.598	(A. 66.8)	89.5	315	1.5	.49	.6	Ci-cu., Cu-s.	..	90	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	m. s.																	
6	0 00	25.4	758.75	29.748	67.5	65.8	....	.615	3 A. M.:	90.	105	..	..	.9	Ci., Cu., Ci-s., Cu-s...	..	90	..
	2 00	25.	758.25	29.729	66.8	65.4	....	.609	(D. 60.)	90.8	165	..	..	.2	Ci., Ci-cu.....	..	90	135
	4 00	23.9	758.80	29 756	63.5	62.5	61.8	.557	(A. 66.)	92.	165	..	..	.05	Ci.....	..	..	..
	6 00	24.	759.00	29.762	68.5	66.	....	.610	9 A. M.:	87.5	30	..	..	.1	Ci., Ci-s.....	..	..	..
	8 00	25.1	759.30	29.770	74.1	69.	....	.647	(D. 65.)	80.	85	..	..	..	A little Ci-s. in *S*.....	..	..	..
	10 00	25.8	759.50	29.774	78.4	72.4	126.	.719	(A. 75.8)	79.5	20	..	..	.05	Cu., S.....	..	..	..
	12 00	27.1	759.30	29.761	81.	73.4	131.6	.726	3 P. M.:	76.	70	..	..	.1	Cu., Ci-s.....	..	90	..
	14 00	29.	758.90	29.736	83.3	73.	124.5	.686	(D. 60.)	70.5	50	..	..	.3	Cu., Ci-cu., Ci-s.....	90	90	..
	16 00	29.8	758.25	29.707	84.4	71.5	100.	.621	(A. 84.5)	68.	40	.2	..	.4	Cu., Ci., Ci-s., Cu-s...	90	90	..
	18 00	29.3	757.70	29.688	80.7	74.3	....	.766	9 P. M.:	78.5	35	.2	..	1.0	Ci-cu., Cu-s., Ci-s.....	90	90	..
	20 00	28.7	757.80	29.695	77.	73.4	....	.771	(D. 69.7)	87.	18	..	..	.1	Ci-cu., Cu-s.....	45	..	..
	22 00	28.	758.00	29.705	75.	72.8	....	.771	(A. 75.4)	91.7	35	..	.	.7	Ci-cu., Cu-s.....	45	45	..
7	0 00	28.2	757.85	29.700	75.	73.2	72.6	.786	3 A. M.:	93.	55	..	..	.4	Ci., Ci-cu., Ci-s., S....	..	90	45
	2 00	27.1	758.00	29.710	73.8	71.4	....	.734	(D. 63.5)	90.5	75	..	..	.8	Ci., Ci-cu.....	..	90	90
	4 00	26.8	759.00	29.750	71.6	69.5	....	.692	(A. 73.7)	91.	353	..	..	.7	Ci., Ci-cu., Ci-s., S....	45	..	..
	6 00	25.5	759.75	29.785	71.8	69.	....	.672	9 A. M.:	88.4	324	..	..	.9	Ci-cu., Ci-s.....	..	45	90
	8 00	25.	760.50	29.818	72.8	66.8	....	.587	(D. 61.)	81.5	220	..	..	.9	Cu., S., Ci-s.....	..	..	..
	10 00	25.8	760.70	29.822	74.8	68.1	....	.607	(A. 73.)	78.5	245	..	..	.8	Cu., S., Ci-s.....	..	..	45
	12 00	26.4	761.00	29.831	77.4	70.4	....	.659	3 P. M.:	78.	115	..	..	1.0	Cu., Ci-cu., Ci-s.....	..	..	45
	14 00	27.	759.65	29.774	77.9	72.5	....	.729	(D. 66 2)	79.5	324	..	..	1.0	Cu., Ci-s.....	..	..	90
	16 00	26.3	759.90	29.788	75.5	70.	....	.664	(A. 77.)	82.5	180	..	..	1.0	Ci-cu., Ci-s., N.....	.	..	45
	18 00	25.5	760.00	29.795	68.	65.5	....	.600	9 P. M.:	89.	120	.4	.07	1.0	N., rain.....	..	..	..
	20 00	25.	758.80	29.751	67.4	65.5	....	.606	(D. 63.7)	91.5	295	2.2	.22	1.0	N., Cu-s., rain.....	..	..	..
	22 00	24.3	760.25	29.811	65.5	64.3	....	.589	(A. 66.9)	93.7	130	..	..	1.0	Ci-cu., Cu-s.....	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
8	0 00	24.	760.00	29.802	64.	62.8	....	.560	3 A. M.:	93.8	88	..	..	.9	Cu., Ci cu., Ci-s.....	..	..	..
	2 00	23.5	759.80	29.797	63.6	62.4	....	.553	(D. 57.)	95.	122	..	..	.2	Ci.....	.	..	..
	4 00	23.7	760.10	29.809	63.2	61.7	61.5	.537	(A. 63.9)	93.	152	.1	..	.3	Cu., Ci-s., S.....	45	0	22
	6 00	21.9	761.00	29.852	62.6	60.	....	.493	9 A. M.:	89.	164	1.0	..	.4	Ci., Ci-cu.....	135	90	45
	8 00	22.7	762.20	29.895	67.5	62.6	....	.514	(D. 56.3)	83.	180	1.0	..	.1	Ci-s.....	..	..	..
	10 00	23.	762.75	29.916	70.7	61.5	104.	.445	(A. 69.)	74.	150	1.0	..	.1	Cu., Ci s.....	..	..	157
	12 00	24.	762.80	29.912	71.8	61.2	106.	.425	3 P. M.:	70.	150	.7	..	.2	Cu., S.....	..	..	157
	14 00	24.5	763.00	29.918	73.8	63.	104.5	.455	(D. 57.5)	71.	125	.7	..	.3	Cu.....	..	..	157
	16 00	24.7	763.20	29.925	74.9	63.7	....	.466	(A. 74.5)	68.	160	.4	..	.4	Cu.....	..	..	157
	18 00	25.2	763.40	29.930	74.5	64.2	....	.484	9 P. M.:	69.2	120	.1	..	..	Cu., Ci-cu.....	..	..	..
	20 00	24.8	763.70	29.945	68.7	63.	....	.513	(D. 54.3)	77.	120	..	..	..	Clear.....	..	..	..
	22 00	23.7	764.60	29.986	64.5	60.5	56.5	.486	(A. 65.7)	83.	120	..	..	..	A few Ci-cu.....	..	..	..
9	0 00	22.8	765.00	30.005	61.6	59.1	56.	.480	3 A. M.:	88.9	65	..	..	.5	Cu., Ci-cu.....	..	..	..
	2 00	22.1	764.45	29.987	61.4	58.6	....	.467	(D. 52.4)	89.5	246	..	..	.9	Ci., Ci cu.....	..	..	..
	4 00	21.7	765.00	30.010	59.	57.8	56.5	.472	(A. 61.)	92.	7	..	..	.1	Cu., Ci cu., S.....	..	..	..
	6 00	21.5	765.45	30.030	62.8	60.	....	.491	9 A. M.)	87.	8	..	..	.08	S.....	..	..	..
	8 00	....	.....	.....	....	....	....	....	(D. 57.3)	....	40	..	..	..	.....	..	..	..
	10 00	24.	766.00	30.038	73.8	62.8	123.	.449	(A. 71.)	70.	100	..	..	..	A few detached Cu.....	..	..	90
	12 00	25.	765.60	30.018	76.2	65.4	121.5	.502	3 P. M.)	68.7	90	.2	..	.2	Cu.....	..	..	90
	14 00	26.	764.50	29.970	77.7	66.6	111.	.525	(D. 64.)	68.5	100	.4	..	.3	Cu.....	..	..	90
	16 00	27.1	763.60	29.930	79.5	69.5	96.5	.601	(A. 79.5)	70.	45	.4	..	.3	Cu., Ci., Ci-cu., Ci s..	135	135	..
	18 00	26.8	763.45	29.925	76.7	66.7	....	.539	.....	71.	36	.2	..	.7	Cu., Ci-cu., Ci-s.....	157	135	..
	20 00	24.6	763.65	29.943	71.	65.	....	.549	.....	80.	3	.2	..	.8	Cu-s., Ci-s., Ci-cu.....	..	45	..
	22 00	24.	763.35	29.933	69.3	65.4	....	.581	.....	86.	40	..	..	.1	Cu., Ci-cu.....	..	22	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
10	0 00	24.	762.20	29.888	69.6	67.2	....	.637	3 A. M.:	85.	25	.1	..	.8	Ci-s., Ci-cu	..	..	..
	2 00	23.9	761.35	29.856	69.5	69.2	....	.705	(D. 60.4)	86.	43	.5	..	1.0	Ci-s, Ci-cu., Ci	..	..	..
	4 00	23.6	760.00	29.805	69.	68.	....	.670	(A. 69.)	88.5	46	.3	..	.9	Ci-s., Ci-cu	..	..	..
	6 00	23.7	759.85	29.798	70.	67.9	....	.655	9 A. M.:	87.	41	.2	..	1.0	Ci-s., Ci-cu	..	..	..
	8 00	23.8	759.75	29.793	71.6	71.5	....	.762	(D. 61.)	82.7	47	.4	..	1.0	Ci-s., Ci-cu	..	90	45
	10 00	24.4	760.00	29.801	75.3	73.5	....	.794	(A. 71.8)	80.5	105	.2	..	.2	Ci-s., Ci-cu	..	..	45
	12 00	25.7	760.30	29.807	77.6	64.9	108.5	.475	3 P. M.:	68.5	140	.7	..	.3	Cu., Ci-cu., Cu-s	..	90	90
	14 00	26.3	760.55	29.814	79.3	65.4	100.5	.472	(D. 56.)	68.	135	1.1	..	.1	Cu., Cu-s	..	135	135
	16 00	26.9	760.85	29.823	79.9	64.7	106.4	.444	(A. 79.8)	64.	135	.8	..	..	Cu., Ci-cu	..	135	135
	18 00	27.2	761.55	29.848	78.8	68.3	....	.572	9 P. M.:	65.3	135	.4	..	..	Cu., Ci-cu	..	180	..
	20 00	26.	762.10	29.875	72.	69.5	66.6	.687	(D. 54.5)	73.	150	..	..	..	Cu., Ci-cu	..	..	90
	22 00	25.8	762.75	29.902	68.	66.5	62.	.631	(A. 69.6)	73.8	179	..	..	..	Ci-cu	..	..	90
12	0 00	22.8	760.30	29.821	62.4	62.2	....	.561	3 A. M.:	74.	44	..	..	1.0	Ci-cu., Cu-s	..	..	..
	2 00	22.	759.90	29.809	59.8	59.7	....	.517	(D. 56.)	72.6	158	..	..	.6	Cu., Ci cu	..	..	..
	4 00	21.4	759.50	29.796	58.	56.1	54.5	.437	(A. 59.5)	79.8	158	..	..	.1	Cu., Ci-cu., S	..	..	..
	6 00	21.	759.95	29.815	61.2	58.	....	.453	9 A. M.:	86.6	158	..	.	.2	Ci., Ci-cu	..	157	135
	8 00	21.9	760.40	29.829	68.6	66.1	108.	.612	(D. 52.5)	72.5	215	..	..	.1	Ci., Ci-s	..	..	..
	10 00	23.3	760.55	29.828	71.	67.	117.8	.613	(A. 71.5)	66.5	262	..	..	.05	Ci-s., Ci-cu	..	135	135
	12 00	24.2	760.20	29.810	74.	64.4	128.	.496	3 P. M.:	67.	124	..	..	.1	Ci-s., Ci-cu	..	..	..
	14 00	25.	759.50	29.778	76.4	64.7	125.	.482	(D. 50.)	66.	173	..	..	.05	Cu., Ci., Ci-s	..	..	..
	16 00	26.	759.30	29.765	79.	68.	125.	.560	(A. 77.4)	63.9	106	..	..	.1	Ci., Ci-cu., Ci-s	..	..	..
	18 00	26.6	759.00	29.750	78.7	68.	96.	.563	9 P. M.)	65.	175	..	..	..	Ci-cu., Ci-s	..	..	..
	20 00	25.	759.65	29.784	69.5	65.	....	.566	(D. 60.)	75.	14	..	..	..	Ci-cu., Ci-s	..	..	..
	22 00	23.8	759.90	29.799	65.5	62.3	61.2	.529	(A. 67.5)	88.	17	..	..	..	Clear	..	..	..

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Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
13	0 00	24.	759.60	29.786	63.	60.5	52.4	.504	3 A. M.:	92.	22	..	..	..	Clear.....	..	..	..
	2 00	23.4	759.55	29.788	62.8	61.6	61.	.538	(D. 55.8)	94.2	22	..	..	..	Clear.....	..	..	..
	4 00	22.4	760.00	29.810	61.	59.5	....	.498	(A. 61.4)	93.	22	..	..	.9	S., Ci-cu., Ci s.....	..	90	90
	6 00	22.4	760.00	29.810	67.	65.2	....	.601	9 A. M.:	90.3	22	..	..	.9	Ci., Ci cu., Ci-s.....	..	90	..
	8 00	23.5	760.60	29.829	74.	70.6	....	.702	(D. 60.5)	87.	56	..	..	.3	Ci., Ci cu., Ci s.....	..	..	..
	10 00	25.9	760.05	29.796	78.5	73.9	103.	.772	(A. 75.6)	83.4	27	..	..	.5	Cu., Ci., Cu-s., Ci-cu..	90	90	135
	12 00	27.8	761.00	29.824	80.4	72.3	112.	.694	3 P. M.:	76.5	153	..	..	.3	Cu., Ci., Ci-cu.....	90	90	135
	14 00	29.	760.70	29.807	84.	76.5	106.5	.811	(D. 68.5)	76.4	42	.5	..	.6	Cu., Ci., Cu-s , Ci-s...	90	135	135
	16 00	30.	760.55	29.796	84.9	76.4	101.2	.799	(A. 84.6)	75.5	55	.6	..	.4	Cu., Ci., Cu-s., Ci-s...	90	135	135
	18 00	29.9	760.25	29.785	81.7	75.4	....	.796	9 P. M.:	79.	19	.5	..	.9	Ci., Ci-cu., Ci-s.....	157	135	..
	20 00	28.2	760.75	29.812	75.6	69.9	....	.660	(D. 64.)	82.5	5	..	..	.3	Ci., Ci-cu., Ci-s.....	45	..	..
	22 00	27.7	761.65	29.850	72.3	68.9	69.8	.662	(A. 73.5)	87.5	5	..	..	..	Clear.....	..	..	..
14	0 00	27.	761.40	29.844	72.	69.5	70.	.687	3 A. M.:	90.3	17	..	..	..	Clear.....	..	..	..
	2 00	26.7	761.25	29.839	70.8	69.	68.8	.684	(D. 64.)	92.	26	..	..	.2	Ci., Ci s.....	..	..	..
	4 00	26.2	761.30	29.844	70.3	68.7	....	.679	(A. 71.)	91.4	32	..	..	.5	Cu., S , Ci-cu.....	157	90	135
	6 00	25.8	761.55	29.855	71.5	68.9	....	.671	9 A. M.:	89.8	21	..	..	.9	Ci-s., Ci-cu.....	..	67	90
	8 00	26.3	761.40	29.847	78.	74.3	....	.793	(D. 67.)	87.	45	..	..	1.0	Cu., S., Ci-s.....	45	45	45
	10 00	28.	761.75	29.853	81.4	76.5	....	.840	(A. 78.8)	85.2	66	.2	..	1.0	Cu., Ci-s., Ci-cu.....	45	11	45
	12 00	29.	761.45	29.836	82.5	76.	....	.808	3 P. M.:	83.	260	..	..	.8	Cu., Ci , Ci-cu., Ci-s...	11	11	191
	14 00	30.8	760.55	29.792	89.3	81.4	....	.960	(D. 72.)	79.2	25	.4	..	.5	Cu., Ci., Ci cu., Ci-s...	11	11	11
	16 00	30.7	759.85	29.765	86.4	80.	....	.931	(A. 87.3)	81.4	5	.2	..	1.0	Cu., Cu-s., Ci-s.....	0	0	0
	18 00	30.	760.00	29.774	83.	76.4	....	.820	9 P. M.:	81.7	0	.2	..	1.0	Cu., Cu-s., Ci-s.....	45	22	22
	20 00	28.6	759.45	29.759	79.	76.5	....	.868	(D. 70.5)	91.	10	.6	..	1.0	Ci., Ci-s., Cu-s.....	11	..	..
	22 00	29.	761.20	29.826	75.	72.7	....	.767	(A. 78.4)	91.7	290	..	.04	1.0	Ci., Ci-s., Cu s.....	..	22	22

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	m. s.																	
15	0 00	28.	760.40	29.800	73.6	72.4	....	.772	3 A. M.:	93.	315	..	..	.4	Ci-cu., Ci-s	..	..	..
	2 00	27.4	759.40	29.762	73.	72.3	....	.775	(D. 65.4)	93.5	325	..	..	.3	Ci-s., hazy	..	..	..
	4 00	26.7	760.00	29.790	71.3	71.3	....	.748	(A. 71.6)	94.2	325	..	..	1.0	Dense fog	..	..	..
	6 00	26.8	760.80	29.822	73.3	72.8	....	.790	9 A M.:	92.	322	..	..	.2	Ci., S., Ci-s	..	..	..
	8 00	27.7	761.65	29.850	77.8	74.3	107.	.795	(D. 64.8)	83.2	36	..	..	.6	Ci., Ci-cu	45	90	22
	10 00	28.8	761.65	29.844	80.5	77.9	112.7	.907	(A. 78.)	79.8	158	..	..	.6	Ci., Cu., Ci-cu	..	135	90
	12 00	30.1	761.80	29.845	83.7	74.5	135.	.739	3 P. M.:	75.5	110	..	..	.5	Ci., Cu., Ci-cu	135	135	135
	14 00	30.4	761.30	29.823	86.1	73.8	127.	.686	(D. 60.5)	70.	111	..	..	.4	Cu., Ci-cu	135	135	135
	16 00	31.7	760.70	29.794	86.7	76.2	114.	.771	(A. 86.5)	65.	130	.4	..	.05	Cu., Ci cu	135	135	135
	18 00	31.2	760.30	29.781	85.5	73.4	....	.678	9 P. M.:	68.	125	..	..	.05	Cu	..	..	..
	20 00	30.	760.70	29.802	78.3	71.8	....	.696	(D. 66.5)	74.3	120	..	..	..	Cu-s. in Hor	..	..	..
	22 00	28.2	760.65	29.808	76.	70.	69.	.659	(A. 73.7)	82.	160	..	..	.4	Ci-cu	..	..	..
16	0 00	27.8	760.65	29.811	73.6	69.2	70.	.658	3 A. M.:	81.1	178	..	..	.05	Ci-cu	..	..	..
	2 00	27.2	759.90	29.783	72.1	68.2	....	.642	(D. 57.)	82.	159	..	..	.4	Ci-s., Ci-cu	..	..	..
	4 00	25.9	760.50	29.814	70.8	64.8	....	.545	(A. 71.)	80.5	165	..	..	.7	Ci., Ci-cu., S., Ci-s	90	157	135
	6 00	25.5	760.65	29.821	69.3	63.1	....	.512	9 A. M :	80.	178	..	..	.9	Ci-cu., Ci-s., S	157	90	90
	8 00	25.1	761.00	29.837	72.	65.9	....	.569	(D. 57.5)	88.5	155	.1	..	.7	Ci , Ci-cu	..	..	..
	10 00	26.2	761.80	29.864	74.6	66.9	108.8	.572	(A. 74.5)	76.	205	.5	..	.5	Ci., Cu., Ci-cu., Ci-s	135	135	135
	12 00	27.2	761.85	29.860	77.2	68.	110.2	.580	3 P. M.:	75.	183	1.8	..	.3	Cu	..	191	191
	14 00	27.	761.30	29.840	78.9	68.5	105.	.577	(D. 57.)	72.	127	.7	..	.4	Cu., Ci-cu	135	135	135
	16 00	27.6	761.50	29.845	77.1	67.5	....	.564	(A. 80.)	72.5	210	.3	..	1.0	Cu., Ci cu., Cu-s	..	135	135
	18 00	27.4	762.25	29.874	76.5	68.8	....	.614	9 P. M.:	73.5	220	1.0	..	.8	Cu., Ci-cu., Ci-s	..	..	225
	20 00	27.	763.45	29.924	71.4	66.4	....	.589	(D. 55.5)	79.8	185	.1	..	.8	Cu., Ci-cu	..	225	90
	22 00	25.9	763.90	29.947	68.	62.5	63.5	.505	(A. 69.)	78.	170	..	..	..	Clear	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
17	0 00	23.6	764.00	29.962	65.7	64.2	63.5	.584	3 A. M:	79.8	171	.1	..	.1	Ci-s	..	..	..
	2 00	23.3	763.75	29.953	62.6	62.	....	.552	(D. 52.5)	83.5	169	..	..	..	Clear	..	..	..
	4 00	22.8	763.65	29.952	60.6	57.	57.	.432	(A. 61.)	83.8	175	..	..	..	Clear	..	..	..
	6 00	22.4	764.50	29.987	62.1	60.2	....	.505	9 A. M.:	84.8	176	..	..	..	Slight Ci	..	..	..
	8 00	23.4	765.45	30.020	70.5	60.6	108.	.421	(D. 51.5)	72.9	200	.1	..	.05	Ci., S	..	..	..
	10 00	24.2	765.25	30.008	73.	62.5	118.	.448	(A. 71.4)	71.	226	.1	..	.15	Ci., Ci s	..	..	..
	12 00	25.7	765.25	30.001	76.3	65.	119.4	.490	3 P. M.:	68.2	223	..	..	.55	Ci., Ci-s	..	..	..
	14 00	26.	765.20	29.997	77.	63.5	....	.437	(D. 56.5)	65.	250	..	..	.9	Ci., Ci-s., Cu-s	..	..	..
	16 00	27.	764.65	29.972	78.5	67.	102.	.528	(A. 78.5)	66.	225	..	..	.1	Ci., Ci-s	..	..	..
	18 00	27.	764.50	29.966	77.5	67.9	....	.570	9 P. M.:	68.4	273	..	..	.04	Ci., Ci s	..	..	..
	20 00	26.	764.95	29.988	71.	63.5	63.	.503	(D. 51.5)	74.8	273	..	..	.02	Ci.	..	..	..
	22 00	25.5	765.00	29.991	65.5	60.6	55.	.478	(A. 67.5)	79.	342	..	..	..	Clear	..	..	..
19	0 00	24.	764.65	29.985	63.	60.2	61.8	.495	3 A. M.:	83.8	3	..	..	..	Clear	..	..	..
	2 00	23.8	764.65	29.986	61.3	59.8	54.	.503	(D. 54.2)	83.5	3	..	..	..	A little Ci cu	..	..	..
	4 00	23.	765.20	30.012	59.5	57.9	52.5	.470	(A. 61.)	89.5	3	..	..	.3	Ci., Ci-cu	..	..	..
	6 00	22.8	765.00	30.005	64.6	62.5	....	.544	9 A. M.:	88.6	3	..	..	.7	Ci., Ci-cu., Cu	..	..	..
	8 00	24.7	765.55	30.018	73.6	67.2	112.2	.591	(D. 57.)	77.3	72	..	..	.1	Ci., Ci-cu., Cu	..	..	..
	10 00	25.4	765.80	30.025	77.	68.7	122.3	.602	(A. 74.4)	73.5	52	..	..	.05	Ci., Ci-cu., Cu	..	..	..
	12 00	27.2	765.95	30.021	81.	68.9	117.	.563	3 P. M.:	67.	355	..	..	.1	Ci., Ci-cu., Cu	..	..	..
	14 00	27.6	765.60	30.006	82.2	71.9	122.3	.656	(D. 60.)	67.	5	..	..	.1	Ci., Ci-cu., Cu	..	..	..
	16 00	29.3	765.40	29.990	83.	72.5	105.5	.668	(A. 82.3)	65.	48	..	..	.1	Ci., Ci-cu., Cu	..	..	..
	18 00	29.4	766.00	30.014	81.	71.8	....	.665	9 P. M.:	66.5	44	..	..	1.0	Ci., Ci cu	..	..	..
	20 00	26.6	766.60	30.050	72.5	68.	....	.630	(D. 63.)	79.	42	.2	..	.3	Ci., Ci-cu	..	..	..
	22 00	26.	767.35	30.082	68.7	65.	65.9	.575	(A. 70.2)	87.2	12	.3	..	..	Clear	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
20	0 00	25.4	767.50	30.092	65.7	64.3	63.	.587	3 A. M.:	91.2	12	..	..	.05	Ci cu	..	..	..
	2 00	24.4	767.80	30.108	66.3	65.	63.2	.602	(D. 61.8)	91.	20	..	..	..	Clear	..	..	..
	4 00	24.1	768.00	30.117	63.1	61.5	57.9	.532	(A 65.8)	89.9	26	..	..	.3	Ci., Ci-s., S	..	..	..
	6 00	23.5	768.75	30.150	67.3	64.	....	.559	9 A. M.:	86.4	26	..	..	.2	Ci., Ci-s., S	..	..	..
	8 00	24.8	769.35	30.168	74.5	68.	113.	.607	(D. 57.)	78.2	92	..	..	.1	Ci-s	..	..	..
	10 00	26.1	770.35	30.200	80.3	71.9	127.4	.677	(A. 76.3)	73.2	284	..	..	.1	Ci-s	..	..	..
	12 00	28.8	770.95	30.210	83.	71.3	....	.625	3 P. M.:	68.2	324	..	..	.05	Cu., Ci-cu., Ci-s	315	315	315
	14 00	29.8	770.00	30.169	86.1	73.5	129.	.673	(D. 53.?)	65.5	320	..	..	.3	Cu., Cu-s	..	270	270
	16 00	30.	770.70	30.195	82.9	72.5	96.3	.669	(A. 86.5)	69.2	31	.1	..	.5	Cu., Cu-s., S	270	225	270
	18 00	29.8	770.00	30.169	81.	71.6	....	.659	9 P. M.:	66.	42	.6	..	.2	Cu., Cu-s., Ci-s	..	270	270
	20 00	27.7	770.60	30.202	73.8	67.1	....	.585	(D. 57.)	71.5	25	..	..	..	Hazy	..	..	..
	22 00	26.	771.00	30.226	68.	63.6	67.5	.539	(A. 71.5)	81.	25	..	..	..	Clear	..	..	..
21	0 00	25.4	771.30	30.242	64.2	61.8	57.4	.528	3 A. M.:	84.8	22	..	..	..	Clear	..	..	..
	2 00	23.7	771.00	30.238	63.5	61.8	53.8	.536	(D. 55.8)	84.	22	..	..	..	Clear	..	..	..
	4 00	23.8	771.00	30.237	60.8	59.5	51.	.500	(A. 62.2)	87.9	22	..	..	.1	S	..	..	..
	6 00	23.	771.45	30.259	65.3	63.2	....	.557	9 A. M.:	88.	22	..	..	.2	Ci	..	..	..
	8 00	24.8	772.00	30.272	73.	69.	....	.658	(D. 61.5)	81.5	23	..	..	.3	Ci., Ci-cu	..	..	..
	10 00	25.5	772.10	30.271	78.3	70.8	109.	.661	(A. 75.6)	75.	5	..	..	.5	Ci., Ci-cu	..	135	..
	12 00	27.6	771.90	30.255	81.5	72.5	117.	.685	3 P. M.:	74.3	310	..	..	.8	Ci., Cu., Ci-cu., Ci-s	0	135	135
	14 00	28.	770.80	30.209	84.5	73.5	....	.689	(D. 62.8)	68.5	340	..	..	.9	Ci., Cu., Ci-s., Cu-s	135	90	..
	16 00	28.6	770.00	30.174	81.9	75.	....	.775	(A. 83.)	74.3	35	.15	..	.9	S., Ci., Cu., Ci-s., Ci-cu	..	90	..
	18 00	28.3	769.75	30.166	78.5	68.5	....	.578	.....	76.	39	..	..	.5	Ci., Ci-cu., Cu-s	..	90	..
	20 00	26.5	769.70	30.174	71.5	68.	68.2	.641	.....	79.8	25	.25	..	.2	Ci	..	..	..
	22 00	25.7	770.15	30.194	68.9	66.7	65.2	.628	.....	86.	25	..	..	..	Clear	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
22	0 00	25.	769.80	30.184	67.5	66.	65.2	.621	.....	92.5	25	..	..	.1	Ci-cu.....	..	..	..
	2 00	24.3	769.00	30.155	68.	67.5	....	.664	.....	91.8	25	..	..	1.0	Ci-s., N.....	..	..	..
	4 00	24.2	768.45	30.135	70.	69.	....	.693	.....	92.7	33	..	..	1.0	Ci-s., N.....	..	..	..
	6 00	24.	768.40	30.133	70.8	69.7	....	.708	.....	92.8	39	..	..	1.0	N.....	..	..	..
	8 00	25.4	768.60	30.134	76.	72.2	....	.738	.....	85.5	60	..	..	.8	Cu., Ci-cu., Ci-s.....	90	90	90
	10 00	27.	768.50	30.124	81.	74.7	119.	.774	.....	81.	20	..	..	.6	Cu., Ci cu., Ci-s., Ci..	90	..	90
	12 00	28.8	767.50	30.074	83.	73.6	113.	.709	.....	74.	20	.3	..	.3	Cu., Ci-cu., Ci-s.....	90	..	90
	14 00	29.8	766.50	30.032	84.3	74.	....	.714	.....	71.5	50	1.0	..	.5	Cu., Ci-cu.....	..	90	..
	16 00	30.7	765.65	29.993	84.8	75.3	102.5	.757	.....	70.1	45	.7	..	..	Ci-cu.....	..	45	..
	18 00	30.4	765.60	29.992	83.7	70.8	....	.604	.....	67.	82	1.3	..	..	Ci-cu., Ci s.....	..	..	..
	20 00	29.3	765.90	30.010	75.3	62.	....	.410	.....	74.	45	..	..	..	Clear.....	..	..	..
	22 00	....	.....	.....	....	....	....	....	.....	....	45	..	..	..	.....	..	..	..
23	0 00	27.8	765.40	29.997	72.5	71.6	69.1	.756	3 A. M.:	....	48	..	..	..	Clear.....	..	..	..
	2 00	27.4	764.70	29.971	71.	67.5	68.	.630	(D. 64.8)	....	46	..	..	..	Clear.....	..	..	..
	4 00	26.6	764.65	29.973	70.	67.	67.	.625	(A. 70.8)	....	46	..	..	.6	Ci-cu., Ci-s., S.....	..	..	..
	6 00	26.	764.90	29.986	72.	69.7	....	.694	9 A. M.:	....	47	..	..	.05	Ci-cu.....	..	..	..
	8 00	26.7	765.20	29.994	78.4	73.7	110.5	.765	(D. 70.6)	79.5	45	..	..	.1	Slight Ci., Ci-s.....	..	..	..
	10 00	28.4	765.10	29.982	83.5	76.5	115.5	.819	(A. 81.2)	78.5	60	.1	..	.2	Slight Ci., Ci s., Cu...	..	..	..
	12 00	30.3	764.90	29.965	88.4	78.	114.5	.825	3 P. M.:	71.	20	.4	..	.2	Ci., Cu.....	..	135	..
	14 00	30.6	764.25	29.938	89.7	78.	121.3	.811	(D. 71.5)	68.	60	.7	..	.2	Ci., Cu.....	..	90	..
	16 00	32.4	763.90	29.916	90.9	76.	110.	.718	(A. 91.4)	64.5	25	.4	..	..	Ci cu. in Hor.....	..	..	..
	18 00	32.4	764.05	29.922	88.8	76.5	....	.760	9 P. M.:	65.7	47	.1	..	..	Ci., Ci-cu., Ci s.....	..	..	..
	20 00	30.1	764.45	29.949	80.9	75.4	....	.802	(D. 72.)	80.9	20	..	..	..	Ci-s., very little.....	..	..	..
	22 00	28.1	764.40	29.957	77.	73.5	74.6	.774	(A. 78.8)	88.	30	..	..	..	Clear.....	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
24	0 00	28.3	764.50	29.959	75.	72.6	73.2	.764	3 A. M.:	88.8	37	..	..	..	Clear	..	..	..
	2 00	28.	764.50	29.961	72.	70.3	68.6	.715	(D. 63.6)	88.5	43	..	..	..	Clear	..	..	..
	4 00	27.2	764.50	29.964	71.6	70.4	68.3	.721	(A. 72.)	92.	44	..	..	.2	S	..	..	..
	6 00	27.	764.80	29.978	73.6	71.8	....	.750	9 A. M.:	89.	43	..	..	..	Clear	..	..	..
	8 00	28.4	765.50	29.998	82.	76.2	....	.821	(D. 73.)	82.5	54	..	..	..	Clear	..	..	..
	10 00	30.	765.50	29.990	87.5	79.5	128.	.898	(A. 84.4)	77.	25	..	..	.2	Cu., Ci-cu., Ci-s	..	90	..
	12 00	31.8	765.10	29.966	91.5	78.7	120.	.820	3 P. M.:	69.	25	.2	..	.4	Cu., Ci-s	..	45	..
	14 00	32.8	764.40	29.934	92.1	79.5	125.	.847	(D. 74.)	67.7	45	.3	..	.5	Cu., Ci-s., Ci-cu	..	45	..
	16 00	34.1	764.15	29.918	92.4	80.	111.5	.864	(A. 93.3)	69.5	60	.7	..	.8	Cu	..	45	..
	18 00	32.6	764.15	29.926	86.9	76.	....	.762	9 P. M.:	73.1	5	.6	..	.9	Ci-cu., Ci-s	..	22	..
	20 00	31.9	764.00	29.922	81.4	76.5	....	.840	(D. 73.)	78.6	14	..	..	.9	Ci-cu., Ci-s	..	..	..
	22 00	30.6	764.20	29.936	79.7	75.5	....	.820	(A. 80.5)	87.1	8	..	..	1.0	N., Ci-s., Cu-s	..	..	..
26	0 00	29.	761.20	29.826	73.1	71.6	....	.749	3 A. M.:	91.6	50	..	..	.7	Ci cu., N	..	157	..
	2 00	28.	760.60	29.808	72.3	70.9	....	.732	(D. 65.3)	92.	125	..	..	.7	Ci-cu., N., Ci-s	90	67	..
	4 00	27.4	761.30	29.837	72.2	67.3	....	.610	(A. 72.8)	84.9	174	.3	..	.8	Ci., Ci-cu	..	315	..
	6 00	27.	763.00	29.906	71.3	67.1	....	.613	9 A. M.:	82.	165	.6	..	.2	Ci., Ci-cu	..	180	..
	8 00	26.3	763.75	29.939	71.7	64.4	93.	.522	(D. 57.)	77.	160	.9	..	.1	Cu	..	180	..
	10 00	26.	763.90	29.940	73.6	65.5	100.	.536	(A. 71.6)	71.	160	2.2	..	.05	Cu	..	180	..
	12 00	26.5	763.90	29.945	76.	63.	105.	.430	3 P. M.:	65.	180	2.0	..	.05	Cu., Ci-cu	..	..	..
	14 00	27.	764.00	29.946	77.2	61.4	98.	.371	(D. 45.?)	58.8	187	2.0	..	..	Clear	..	..	..
	16 00	27.4	764.10	29.947	77.	65.5	95.2	.497	(A. 77.3)	58.2	127	2.2	..	..	Clear	..	..	..
	18 00	26.9	764.40	29.962	76.4	64.7	....	.478	9 P. M.:	56.5	165	1.5	..	..	Clear	..	..	..
	20 00	25.8	764.70	29.979	69.	60.5	....	.435	(D. 56.5)	64.	175	..	..	..	Clear	..	..	..
	22 00	24.9	765.65	30.020	65.	58.4	56.9	.421	(A. 66.5)	71.	190	..	..	..	Clear	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
27	0 00	24.1	765.45	30.016	63.3	57.2	56.	.407	3 A. M.:	71.	250	..	..	..	Clear	..	..	..
	2 00	23.2	765.30	30.014	59.	54.4	51.	.382	(D. 44.)	76.	185	..	..	..	Clear	..	..	..
	4 00	22.	765.60	30.033	55.8	52.3	47.3	.364	(A. 57.1)	84.8	180	..	..	.1	Ci	..	135	..
	6 00	21.4	766.30	30.064	57.9	55.	....	.409	9 A. M.:	82.	180	..	..	.2	Ci., Ci-cu	135	90	..
	8 00	21.9	766.50	30.069	64.	59.5	106.5	.464	(D. 48.5)	74.	190	..	..	.1	Ci., Ci-s	..	135	..
	10 00	23.1	766.40	30.060	71.7	61.	113.	.419	(A. 71.)	67.3	210	..	..	.2	Ci., Ci-s., Ci-cu	..	135	..
	12 00	24.2	765.70	30.026	74.9	62.6	113.	.430	3 P. M.:	64.	100	..	..	.7	Ci., Ci-s., Ci-cu	..	135	..
	14 00	25.4	764.60	29.978	80.	65.4	113.3	.459	(D. 49.?)	62.3	100	..	..	.8	Ci., Ci-s., Ci-cu	..	135	..
	16 00	26.9	764.20	29.954	81.	66.5	....	.486	(A. 79.5)	61.4	90	..	..	.7	Ci., Ci-s., Ci-cu	..	90	..
	18 00	26.9	763.30	29.918	78.9	68.6	....	.582	9 P. M.:	65.2	57	..	..	.9	Ci., Ci s., Ci-cu	..	45	..
	20 00	25.6	773.40	29.928	72.5	65.3	....	.541	(D. 57.)	73.	60	..	..	.1	Ci., Ci-s	..	..	..
	22 00	25.1	763.10	29.919	68.5	63.5	....	.531	(A. 69.3)	81.	50	..	..	.8	Ci-cu., Ci s	..	..	..
28	0 00	24.7	762.25	29.888	67.7	64.6	65.1	.574	3 A. M.:	82.9	37	..	..	.6	Ci., Ci-s	135	112	..
	2 00	24.2	761.45	29.859	68.	64.9	....	.580	(D. 58.5)	83.	49	..	..	1.0	Ci-s., N	..	..	..
	4 00	24.	761.20	29.849	68.1	65.9	....	.611	(A. 69.2)	85.	49	..	..	1.0	Ci-s., N., Ci-cu	..	..	..
	6 00	23.6	761.50	29.864	68.6	65.8	....	.602	9 A. M.:	84.5	60	..	..	1.0	Ci-cu., Ci-s	..	..	..
	8 00	24.	761.40	29.857	75.	68.5	....	.618	(D. 60.)	78.	110	..	..	.3	Ci-cu., Ci-s	..	..	..
	10 00	25.2	761.90	29.872	78.2	68.2	....	.576	(A. 77.4)	72.3	130	.3	..	.7	Cu., Ci cu., Ci-s	..	..	..
	12 00	26.3	761.60	29.852	80.5	69.2	....	.584	3 P. M.:	69.	140	.7	..	.8	Cu., Ci-cu., Ci s	..	..	..
	14 00	27.4	761.55	29.847	82.1	70.6	....	.614	(D. 57.)	65.5	105	1.0	..	.6	Cu., Ci s	..	..	..
	16 00	28.1	761.90	29.859	80.9	68.5	....	.555	(A. 80.)	64.6	160	.7	..	.2	Cu., Ci cu	..	..	..
	18 00	28.1	761.95	29.861	78.5	66.5	....	.516	9 P. M.:	65.1	210	.1	..	..	Ci-cu., Ci-s	..	..	..
	20 00	26.2	762.85	29.905	70.4	62.5	....	.478	(D. 51.5)	67.1	217	..	..	..	Clear	..	..	..
	22 00	24.8	764.10	29.961	66.	59.4	59.8	.438	(A. 69.)	73.	217	..	..	..	Clear	..	..	..

Date. Day.	Hour.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Thermometers, Fah. Dry.	Wet.	Radiation.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir., degrees.	Force, lbs.	Rain, inches	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds. 1.	2.	3.
	h. m.																	
29	0 00	23.6	764.65	29.984	62.6	55.1	59.	.359	3 A. M.:	73.2	224	..	..	..	Clear	..	..	..
	2 00	23.2	764.70	29.991	58.7	52.2	53.4	.328	(D. 42.6)	73.	197	..	..	..	Clear	..	..	..
	4 00	21.8	765.00	30.010	56.2	50.	50.	.302	(A. 57.2)	76.	195	..	..	..	Clear	..	..	..
	6 00	21.3	765.45	30.030	57.	52.1	....	.345	9 A. M.:	76.9	191	..	..	.2	Ci-cu	..	..	..
	8 00	21.9	765.90	30.045	65.4	56.1	103.	.353	(D. 46.)	71.	270	..	..	.05	Ci-cu., Ci-s	..	..	..
	10 00	22.6	765.70	30.034	69.1	58.1	118.	.366	(A. 67.1)	67.5	230	..	..	..	A little Ci-s. in *S*	..	..	..
	12 00	23.7	765.00	30.001	72.6	63.5	111.2	.484	3 P. M.:	64.4	137	..	..	.05	Cu., Ci-s. in *S*	..	..	..
	14 00	24.8	763.55	29.939	76.5	64.7	112.5	.477	(D. 52.)	63.4	58	..	..	.3	Cu., Ci., Ci-cu., Ci-s.	..	112	..
	16 00	26.1	763.30	29.922	78.2	62.9	104.8	.402	(A. 77.5)	61.1	137	..	..	.1	Cu., Ci., Ci cu., Ci-s.	..	..	..
	18 00	25.4	763.15	29.920	75.4	63.8	....	.461	9 P. M.:	61.1	145	..	..	.6	Ci., Ci-cu., Ci-s.	..	135	..
	20 00	24.8	763.00	29.917	67.9	62.4	....	.504	(D. 56.)	70.2	145	..	..	.9	Ci , Ci-cu., Ci-s.	..	135	..
	22 00	23.7	762.45	29.901	63.	59.8	....	.484	(A. 64.9)	84.8	147	..	..	1.0	Ci., Ci cu., Ci-s.	..	135	..
30	0 00	23.	762.45	29.904	60.7	58.2	....	.465	3 A. M.:	88.7	56	..	..	.8	Ci-cu., Ci-s.	112	..	90
	2 00	22.7	761.60	29.872	60.7	58.2	....	.465	(D. 56.)	89.	56	..	..	.7	Ci-cu., Ci-s.	..	135	90
	4 00	22.2	761.30	29.862	60.6	58.8	....	.483	(A. 60.6)	89.9	56	..	..	.9	Ci-cu., Ci-s	..	..	..
	6 00	21.5	761.10	29.859	64.6	62.	....	.529	9 A. M.:	89.5	334	..	..	.9	Ci., Ci-cu., Ci-s.	..	0	67
	8 00	22.8	761.20	29.856	73.5	68.7	....	.642	(D. 64.)	84.	330	..	..	.9	Cu., Cu-s., Ci-s	..	315	90
	10 00	24.2	760.90	29.838	78.	69.	....	.605	(A. 77.)	75.	0	..	..	.6	Cu., Cu-s., Ci-s	..	315	90
	12 00	26.	760.50	29.813	82.2	71.1	....	.631	3 P. M.:	70.	0	.4	..	.7	Cu., Cu-s., Ci-s	..	..	0
	14 00	25.5	760.60	29.819	71.	68.7	....	.671	(D. 64.5)	90.	350	2.0	..	1.0	Cu-s., N., showery	..	..	0
	16 00	25.2	760.00	29.797	73.8	69.	....	.649	(A. 74.3)	84.	348	.7	.015	1.0	Cu-s	..	..	0
	18 00	24.7	759.75	29.790	71.5	68.8	....	.668	9 P. M.:	88.	325	.2	..	1.0	Cu-s., N	..	..	0
	20 00	24.1	759.20	29.770	69.	67.	....	.636	(D. 64.)	89.2	335	..	.045	1.0	Cu-s., N., showery	..	..	..
	22 00	23.8	759.50	29.783	67.8	65.	....	.585	(A. 68.3)	92.	300	..	.440	1.0	Cu-s., N., showery	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
31	0 00	23.5	758.45	29.744	66.5	65.1	....	.603	3 A. M.:	92.	233	..	.45	1.0	Cu-s., N., raining.....	..	..	..
	2 00	21.	757.00	29.690	65.1	64.5	....	.600	(D. 62.3)	92.3	261	1.0	.04	1.0	Cu-s., N., raining.....	..	315	..
	4 00	22.7	755.85	29.646	66.	65.	....	.606	(A. 65.6)	91.	245	.8	.12	1.0	Cu-s., N., raining.....	..	..	..
	6 00	22.4	756.00	29.652	66.5	66.1	....	.636	9 A. M.:	92.5	256	.6	.485	1.0	Cu-s., N., raining.....	..	..	..
	8 00	22.1	757.00	29.694	66.6	65.6	....	.619	(D. 63.)	91.8	245	.9	.175	1.0	Cu-s., N., raining.....	..	22	..
	10 00	22.3	756.00	29.652	67.6	66.6	....	.640	(A. 67.1)	91.	250	.5	.09	1.0	Cu s., N., raining.....	..	270	..
	12 00	22.3	756.20	29.660	67.	65.	....	.595	3 P. M.:	90.	245	1.2	.02	1.0	Cu-s, N.....	..	..	..
	14 00	22.2	756.25	29.663	65.5	63.8	....	.574	(D 61.)	90.5	260	1.2	..	1.0	Cu-s, N.....	..	..	..
	16 00	22.	756.70	29.683	63.5	62.	....	.542	(A. 64.5)	90.5	245	.6	..	1.0	Cu-s., N.....	..	..	..
	18 00	21.5	757.40	29.714	61.4	60.5	....	.522	9 P. M.:	90.5	205	.5	.015	1.0	Cu-s., N.....	..	..	..
	20 00	21.	758.25	29.748	60.1	59.4	....	.505	(D. 58.3)	91.	220	.4	.025	1.0	N., drizzling rain	..	..	..
	22 00	20.6	758.60	29.764	60.3	59.4	....	.503	(A. 60.)	92.	210	..	.01	1.0	N., Cu-s.....	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
2	0 00	21.	765.95	30.051	62.6	60.1	61.3	.497	3 A. M.:	85.6	147	..	..	..	Clear	..	..	..
	2 00	20.4	766.10	30.061	62.	59.8	60.1	.495	(D. 57.)	88.	156	..	..	..	Clear	..	..	..
	4 00	19.9	766.85	30.092	61.1	58.6	59.5	.471	(A. 61.8)	88.5	155	..	..	..	Clear	..	..	..
	6 00	20.1	767.30	30.109	62.1	60.6	....	.517	9 A. M.:	86.2	165	..	..	.2	Ci., Ci-cu. from *NNW*	..	..	..
	8 00	20.7	767.90	30.129	68.8	64.2	116.3	.549	(D. 61.)	81.	160	..	..	.1	Ci s. (in *SE*)	..	..	..
	10 00	22.2	768.30	30.138	73.2	66.5	117.	.572	(A. 71.8)	75.3	140	..	..	.2	Ci-s. from *W*	..	..	..
	12 00	24.2	768.60	30.141	77.4	69.4	....	.622	3 P. M.:	72.	290	..	..	.9	Ci., Cu , Ci-cu., Ci-s	202	45	.
	14 00	24.7	768.60	30.139	79.	71.	....	.660	(D. 63.)	68.5	280	..	..	.8	Ci , Cu., Ci-cu., Ci-s	..	..	..
	16 00	26.	768.40	30.124	78.9	70.	....	.626	(A. 79.6)	68.2	265	..	..	1.0	Ci., Cu., Ci-cu., Ci-s	..	..	..
	18 00	26.	768.65	30.134	77.	71.	....	.683	9 P. M.:	71.5	273	..	..	.9	Ci., Cu., Ci-cu., Ci-s	..	..	..
	20 00	24.7	769.35	30.168	70.7	67.5	....	.634	(D. 64.)	84.1	27	..	..	..	Ci., Ci-s	..	..	..
	22 00	24.1	769.50	30.176	66.4	64.5	62.	.585	(A. 67.9)	89.9	24	..	..	..	Clear	..	..	..
3	0 00	23.	769.60	30.184	63.6	62.2	59.3	.547	3 A. M.:	91.	26	..	..	.05	Cu. in *S*	..	..	..
	2 00	22.1	769.25	30.175	62.3	61.2	56.8	.531	(D. 55 2)	92.4	26	..	..	.1	Ci	..	..	..
	4 00	21.	769.30	30.181	61.4	61.	57.	.536	(A. 61.)	92.	147	..	..	.5	Ci., S., (fog)	..	..	..
	6 00	20.3	769.60	30.197	63.	61.6	....	.536	9 A. M.:	89.9	148	..	..	.3	Cu., Ci., Cu., Ci-s	..	..	..
	8 00	22.	770.20	30.212	70.1	65.9	114.5	.587	(D. 61.)	81.	140	..	..	.3	Cu., Ci., Cu., Ci-s	..	..	..
	10 00	23.6	770.20	30.204	75.	66.3	121.2	.547	(A. 72.5)	71.	275	..	..	.1	Ci., Ci-s	..	..	..
	12 00	25.4	770.00	30.188	77.5	68.	129.	.575	3 P. M.:	65.5	275	..	..	.1	Cu., Ci-s	..	..	..
	14 00	26.	769.25	30.155	80.2	69.7	129.2	.602	(D. 61.)	67.	230	..	..	.1	Cu., Ci-s	..	..	..
	16 00	27.5	768.85	30.133	80.	71.5	123.9	.668	(A. 80.6)	64.1	242	..	..	..	Cu., Cu-s.	..	..	..
	18 00	27.6	768.55	30.121	81.5	74.	....	.743	9 P. M.:	67.	50	..	..	..	Ci., Cu-s	..	..	..
	20 00	26.1	769.00	30.145	73.4	70.	....	.688	(D. 67.7)	83.2	32	..	..	..	Ci-s	..	..	..
	22 00	25.8	768.40	30.123	68.	66.	61.5	.615	(A. 70.)	88.4	37	..	..	.1	Ci-s	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
4	0 00	25.	768.60	30.137	67.7	65.9	64.	.616	3 A. M.:	90.	54	..	..	.4	Cu., Ci s.....	..	..	..
	2 00	24.5	767.85	30.110	67.4	64.	....	.558	(D. 62.3)	90.	54	..	..	.9	Ci-s., Ci cu.....	..	..	..
	4 00	23.8	767.40	30.094	65.5	65.2	....	.618	(A. 67.2)	89.5	53	..	..	.8	Ci-s., Ci-cu., S.....	..	..	..
	6 00	23.	767.60	30.107	66.6	65.9	....	.628	9 A. M.:	91.5	53	..	..	1.0	Ci-s., Ci-cu., Ci.....	..	..	..
	8 00	23.6	767.60	30.104	70.6	68.6	....	.672	(D. 64.5)	83.	30	..	..	.8	Ci-s , Ci-cu.....	..	..	..
	10 00	25.	767.50	30.093	73.7	70.2	118.	.692	(A. 72.2)	79.	30	..	..	.4	Ci., Cu., Ci-cu., Ci-s...	..	..	..
	12 00	27.	767.00	30.064	81.	71.5	119.	.655	3 P. M.:	72.	20	..	..	.6	Ci., Cu., Ci-cu., Ci-s...	..	..	..
	14 00	28.	766.00	30.020	84.1	75.	116.5	.754	(D. 65.)	71.	20	..	..	.5	Ci., Cu., Ci-s.....	..	..	..
	16 00	29.1	765.15	29.980	85.	74.5	112.	.724	(A. 83.3)	69.	52	..	..	.1	Ci., Cu., Ci-s.....	..	..	..
	18 00	29.1	764.75	29.965	82.8	73.5	....	.712	9 P. M.:	71.	48	..	..	.3	Ci., Cu., Ci-s., Ci cu...	..	..	..
	20 00	27.1	765.00	29.983	76.8	72.7	....	.746	(D. 70.5)	86.	27	..	..	1.0	Cu., Cu-s.....	..	..	..
	22 00	26.7	764.80	29.979	75.	72.5	....	.760	(A. 75.4)	88.	115	..	..	1.0	Cu-s., N.....	..	..	..
5	0 00	26.4	764.15	29.955	74.6	72.8	....	.776	3 A. M.:	87.9	1	..	..	1.0	Ci-s, N.....	..	22	..
	2 00	26.2	763.30	29.921	72.9	72.6	....	.788	(D. 67.5)	88.	32	..	.03	1.0	Cu-s., N., showery.....	..	0	..
	4 00	26.1	763.85	29.944	72.8	72.1	....	.770	(A. 74.1)	87.8	70	..	.02	1.0	Ci., S., Ci-cu., N.....	..	90	..
	6 00	25.	763.00	29.915	72.2	70.5	....	.720	9 A. M.:	89.	175	..	.02	1.0	Ci-s., Cu s., N., rain...	..	0	..
	8 00	25.2	762.90	29.911	74.	73.	....	.790	(D. 71.)	89.5	310	..	.08	1.0	Ci-s., Cu-s., N., rain...	..	0	..
	10 00	25.6	762.90	29.909	75.2	73.5	....	.795	(A. 74.6)	89.	315	..	..	1.0	Cu., Cu-s ,Ci s., N., rain	..	0	..
	12 00	25.5	762.50	29.893	75.1	73.5	....	.796	3 P. M.:	90.5	15	..	.05	1.0	Cu-s., N., rain.....	..	225	..
	14 00	25.8	761.90	29.869	75.2	73.5	....	.795	(D. 71.5)	90.	0	..	.05	1.0	Cu., Cu s., N.....	..	45	..
	16 00	25.	761.35	29.851	73.5	72.	....	.758	(A. 74.9)	91.	15	..	.025	1.0	Cu., Cu-s., N., rain....	..	..	..
	18 00	24.8	761.20	29.847	72.4	70.9	....	.731	9 P. M.:	92.	350	..	.12	1.0	Cu., Cu s , N.....	..	..	..
	20 00	24.2	761.55	29.863	66.7	65.	....	.598	(D. 64.5)	91.	280	.1	.15	1.0	Cu., Cu s., N.....	..	..	..
	22 00	23.4	761.45	29.863	66.9	65.6	....	.615	(A. 66.8)	90.7	125	..	.12	1.0	Cu-s., N.....	..	225	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
6	0 00	22.5	760.55	29.832	66.2	65.	....	.603	3 A. M.:	88.8	150	..	..	.6	Ci., Ci-cu., Ci-s.	..	337	..
	2 00	22.7	760.70	29.837	65.	64.	....	.586	(D. 57.8)	89.1	180	..	..	..	Clear.	..	..	..
	4 00	22.1	760.60	29.837	65.	63.2	61.2	.562	(A. 64.9)	88.9	105	..	..	.3	Ci., S., Ci-cu	..	180	..
	6 00	21.8	760.80	29.846	65.6	64.4	....	.591	9 A. M.:	88.7	163	..	..	.3	Ci., Ci-s.	270	180	..
	8 00	22.7	761.60	29.872	70.7	67.	109.	.617	(D. 68.)	86.3	180	..	..	.1	Cu., Ci-s	..	..	..
	10 00	24.3	761.80	29.872	75.	69.	109.	.636	(A. 73.1)	80.5	180	..	..	.3	Cu., Ci-s	..	225	..
	12 00	26.	761.90	29.868	78.7	70.	117.	.631	3 P. M.:	73.4	180	.1	..	.5	Cu	..	202	..
	14 00	26.3	761.90	29.867	79.8	69.	115.	.585	(D. 57.)	69.	180	.2	..	.4	Ci., Cu	225	90	..
	16 00	27.2	762.00	29.865	81.	68.	110.2	.538	(A. 80.5)	64.8	180	.1	..	.1	Ci-cu., Cu	..	90	..
	18 00	27.2	762.15	29.871	78.5	68.5	....	.582	9 P. M.:	69.	180	..	..	.6	Ci-cu., Cu	..	..	..
	20 00	26.3	762.35	29.884	73.	67.	....	.591	(D. 64.5)	78.	180	..	..	..	Clear.	..	..	..
	22 00	25.	762.65	29.902	68.5	65.4	62.5	.590	(A. 68.5)	86.	180	..	..	..	Clear.	..	..	..
7	0 00	24.3	762.60	29.903	66.6	63.5	60.	.553	3 A. M.:	86.	176	..	..	..	Clear.	..	..	..
	2 00	23.8	762.35	29.895	65.1	61.1	60.	.499	(D. 57.2)	84.6	176	..	..	..	Clear.	..	..	..
	4 00	23.1	762.50	29.906	64.6	60.2	59.	.477	(A. 64.2)	85.	176	..	..	.2	S., Ci-cu	..	180	..
	6 00	22.9	763.55	29.947	64.9	61.	....	.497	9 A. M.:	84.	170	..	..	.3	Ci.	..	..	..
	8 00	23.2	763.90	29.959	71.3	64.	105.	.514	(D. 57.5)	77.	200	..	..	.1	Cu., Ci-s	..	..	..
	10 00	21.8	764.15	29.963	76.5	65.5	123.	.503	(A. 74.)	70.	260	..	..	.1	Cu., Ci-s	..	..	..
	12 00	25.7	764.00	29.952	79.2	66.2	125.	.494	3 P. M.:	63.5	260	..	..	.2	Cu., Cu-s., Ci-s	..	90	..
	14 00	26.5	763.90	29.945	80.8	65.2	125.5	.446	(D. 51.6)	60.	120	..	..	.3	Cu., Cu-s., Ci-s	..	90	..
	16 00	27.5	763.55	29.925	81.7	67.4	....	.508	(A. 81.5)	61.	91	..	..	.2	Cu., Cu-s., Ci-s	..	90	..
	18 00	28.1	763.65	29.927	80.1	69.5	....	.598	9 P. M.:	66.8	15	..	..	..	Clear, S. in Hor	..	..	..
	20 00	27.7	764.00	29.942	71.5	65.6	....	.563	(D. 68.5)	78.3	235	..	..	..	Clear.	..	..	..
	22 00	26.5	764.50	29.969	69.5	67.1	68.	.634	(A. 71.)	90.5	3	..	..	..	Ci-cu. in *E*	..	..	..

Date.		Barometer.			Thermometers, Fah.						Wind.					Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, &c.	1.	2.	3.
	h. m.																	
9	0 00	24.9	763.75	29.945	70.6	68.	....	.651	3 A. M.:	88.	348	..	..	1.0	Ci s., Cu-s., Ci-cu.....	..	..	..
	2 00	24.7	762.85	29.912	70.6	69.	....	.686	(D. 64.2)	89.8	16	..	..	1.0	Ci-s., Cu-s., N.....	..	0	..
	4 00	24.6	762.30	29.890	71.5	70.	....	.710	(A. 71.)	89.	15	.5	..	1.0	Ci-s., Cu-s., N.....	..	..	..
	6 00	24.5	762.50	29.899	71.5	70.	....	.710	9 A. M.:	88.9	24	1.5	.28	1.0	Cu-s., N., rain.....	..	..	..
	8 00	24.	762.85	29.914	72.	70.8	....	.732	(D. 70.)	90.6	40	.7	.01	1.0	Cu-s., N.....	..	..	..
	10 00	24.7	763.10	29.921	74.	71.7	....	.742	(A. 72.6)	89.7	40	.9	..	1.0	Cu-s., N.....	..	..	..
	12 00	25.8	763.00	29.911	77.8	73.6	....	.768	3 P. M.:	85.5	50	1.0	..	1.0	Cu., Cu-s.....	..	..	..
	14 00	27.3	762.80	29.897	81.4	75.5	....	.801	(D. 70.5)	82.	35	.8	..	1.0	Cu., Ci-s., Ci-cu.....	45	90	..
	16 00	28.2	762.65	29.886	82.5	75.6	....	.795	(A. 82.7)	79.8	30	.6	..	.8	Cu., Ci-s., Ci-cu.....	45	90	..
	18 00	28.	762.95	29.900	79.8	75.3	....	.811	9 P. M.:	84.8	1	..	..	1.0	Cu., Cu-s., Ci-s.....	90	0	..
	20 00	27.6	763.70	29.931	76.9	74.5	....	.813	(D. 70. ?)	91.5	10	..	..	.3	Cu-s., Ci-s.....	..	..	..
	22 00	27.4	765.20	29.990	75.2	74.5	....	.832	(A. 75.9)	92.7	25	..	..	..	Cu-s. in S. Hor.....	..	..	..
10	0 00	27.	765.00	29.985	74.9	74.7	....	.844	3 A. M.:	91.	54	..	..	1.0	Cu-s., N.....	..	..	..
	2 00	26.1	764.70	29.978	71.5	71.2	....	.753	(D. 68.6)	89.6	141	..	..	.8	Ci., Ci-cu., Ci-s.....	..	0	..
	4 00	25.7	765.20	29.999	71.1	70.	....	.715	(A. 71.3)	90.8	141	..	..	1.0	Ci-cu., Cu-s., N.....	..	..	..
	6 00	25.4	765.60	30.016	71.2	70.5	....	.731	9 A. M.:	91.4	162	..	..	.8	Ci-cu., Cu-s., N.....	..	..	..
	8 00	26.	766.00	30.029	75.2	74.	....	.813	(D. 73.)	90.	240	..	..	1.0	Cu., Cu-s., Ci-s., S....	..	45	..
	10 00	26.3	765.90	30.024	77.1	75.5	....	.850	(A. 76.)	80.	335	..	..	1.0	Cu., Cu-s., Ci-s., S....	..	45	..
	12 00	27.3	765.30	29.995	81.4	76.6	....	.844	3 P. M.:	85.	282	..	..	.9	Ci., Cu., Cu-s., Ci-s...	337	45	..
	14 00	27.1	764.50	29.967	76.9	74.7	....	.821	(D. 71.5)	90.5	0	.1	.15	1.0	Cu., Ci cu., Cu-s.....	0	90	..
	16 00	27.8	764.00	29.942	79.3	75.1	....	.809	(A. 79.8)	87.	280	..	.15	.8	Cu., Ci-cu., Cu-s , Ci..	225	180	45
	18 00	27.3	764.50	29.964	75.2	73.5	....	.795	9 P. M.:	93.	283	..	.03	1.0	N., Thermometers rain..	..	..	..
	20 00	26.9	764.30	29.958	72.5	71.5	....	.752	(D. 70.)	93.5	15	..	2.22	1.0	N., rain.....	..	..	..
	22 00	26.	763.80	29.942	71.4	70.4	....	.725	(A. 72.2)	91.6	180	..	1.35	1.0	N., rain.....	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
11	0 00	26.1	763.15	29.916	72.2	71.6	....	.759	3 A. M.:	92.	28	..	.43	1.0	N., rain	..	..	..
	2 00	25.8	762.60	29.896	73.2	72.4	....	.777	(D. 68.8)	92.2	57	..	.22	1.0	Cu-s., N., showery	..	..	..
	4 00	25.6	763.00	29.912	72.9	72.7	....	.791	(A. 73.1)	92.	57	..	.07	1.0	Cu-s., N., showery	..	..	..
	6 00	25.7	763.60	29.936	73.	72.5	....	.782	9 A. M.:	92.5	57	..	.02	1.0	Cu-s., N., showery	..	337	..
	8 00	25.1	763.75	29.945	73.5	73.	....	.795	(D. 72.3)	91.5	75	..	.01	1.0	Cu-s., N., showery	..	22	..
	10 00	25.6	764.40	29.968	76.	74.5	....	.823	(A. 74.5)	88.	65	..	.03	1.0	Cu-s., N	..	45	..
	12 00	26.3	764.30	29.961	77.8	75.5	....	.842	3 P. M.:	85.5	50	..	..	1.0	Cu., Ci-cu., Ci-s., Cu-s.	..	45	..
	14 00	27.	763.75	29.936	80.8	76.3	....	.839	(D. 73.8)	86.	20	..	..	1.0	Cu., Ci-cu., Ci-s., Cu-s	..	45	..
	16 00	27.7	763.70	29.930	80.4	75.6	....	.816	(A. 82.2)	85.5	20	.3	..	1.0	Cu., Ci-cu., Cu-s., N..	45	90	..
	18 00	27.	763.60	29.930	76.4	72.1	....	.729	9 P. M.:	86.	90	.1	..	1.0	Cu., Ci-cu., Cu-s	..	90	..
	20 00	26.5	764.65	29.975	72.7	71.4	....	.746	(D. 69.8)	91.	25	..	..	1.0	Cu., Cu-s., N	..	45	..
	22 00	25.1	764.60	29.979	72.5	71.	....	.734	(A. 73.)	93.5	70	..	..	1.0	Cu., Cu-s	..	17	..
12	0 00	25.3	764.75	29.984	71.8	70.4	....	.720	3 A. M.:	92.	61	..	..	1.0	Ci-cu, Ci-s., N	..	..	..
	2 00	25.	764.80	29.987	71.	62.6	....	.474	(D. 52.2)	74.	135	..	..	.8	Ci-cu., Ci-s., N	..	135	..
	4 00	24.5	765.00	29.997	68.2	60.	....	.430	(A. 70.)	75.5	160	..	..	.6	Ci., Ci-cu., Ci-s	..	180	..
	6 00	24.	766.15	30.044	66.	61.	....	.484	9 A. M.:	79.3	145	..	..	1.0	Ci-cu., Ci-s	..	157	..
	8 00	24.	766.70	30.066	68.8	63.	....	.512	(D. 60.)	79.	145	..	..	.8	Ci., Ci cu., Ci s., Cu s.	..	180	..
	10 00	23.9	766.85	30.072	72.5	65.6	....	.551	(A. 71.5)	77.5	140	..	..	.9	Cu., Ci-cu., Ci-s	..	180	..
	12 00	24.6	766.35	30.050	74.2	66.5	....	.560	3 P. M.:	75.	167	..	..	.9	Cu., Ci., Ci cu., Ci s..	90	45	..
	14 00	25.3	765.70	30.021	75.4	67.5	....	.580	(D. 63.)	75.5	109	..	..	.9	Cu., Ci cu., Ci-s	..	90	..
	16 00	25.5	765.30	30.003	76.5	70.	....	.653	(A. 76.)	77.5	80	..	..	1.0	Cu., Ci-cu., Cu-s	45	90	0
	18 00	25.	764.45	29.973	72.9	68.6	....	.646	9 P. M.:	83.	49	..	..	1.0	Ci-cu., Cu-s	..	45	..
	20 00	24.	764.75	29.989	70.5	66.7	....	.610	(D. 64.2)	85.2	56	..	..	1.0	Ci-cu., Cu-s., dark	..	..	..
	22 00	23.7	764.80	29.994	69.1	64.9	....	.567	(A. 69.8)	83.4	41	..	..	1.0	N., very dark	..	..	..

Date.		Barometer.			Thermometers, Fah.						Wind.					Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, &c.	1.	2.	3.
	h. m.																	
13	0 00	23.2	764.10	29.967	68.	66.1	....	.618	3 A. M.:	87.9	8	..	..	1.0	Cu-s., N., slight rain...	..	..	..
	2 00	22.8	763.70	29.954	66.8	64.	....	.565	(D. 59.6)	89.3	59	..	..	1.0	Cu-s., N.....	..	..	..
	4 00	22.5	763.15	29.933	65.8	64.9	....	.605	(A. 66.5)	87.	59	..	..	.9	Ci-cu., Ci-s., N.....	..	..	..
	6 00	22.2	763 35	29.942	66.	64.1	....	.577	9 A. M.:	89.6	59	..	..	1.0	Ci., Ci-cu., Ci-s.....	..	270	..
	8 00	22.6	763.60	29.951	69.	66.	....	.604	(D. 64.5)	86.4	73	..	..	1.0	Ci., Ci-cu.....	..	..	..
	10 00	23.7	763.75	29.952	74.3	69.	....	.644	(A. 72.3)	80.	20	..	..	1.0	Cu., Ci-s., S.....	..	..	..
	12 00	24.7	763.50	29.937	76.6	70.1	....	.655	3 P. M.:	78.	15	..	..	1.0	Cu., Ci-s., S.....	..	..	..
	14 00	25.1	763.30	29.927	76.3	68.	....	.590	(D. 58.5)	75.	65	..	..	1.0	Cu., Ci-s.....	..	..	..
	16 00	25.8	762.90	29.908	77.5	71.5	....	.695	(A. 77.)	73.2	57	..	..	1.0	Ci-cu., Ci-s.....	..	..	..
	18 90	25.2	762.95	29.913	73.9	68.5	....	.633	9 P. M.:	80.	42	..	..	1.0	Ci-cu., Ci-s., Cu-s.....	..	..	..
	20 00	24.9	763.65	29.941	70.6	66.7	....	.609	(D. 64.)	86.	30	..	..	.5	Ci-cu., Ci-s.....	..	..	..
	22 00	23.3	763.60	29.947	68.2	66.	....	.613	(A. 69.5)	90.	30	..	..	.1	Ci-cu., Ci-s.....	..	..	..
14	0 00	24.2	763.70	29.947	65.9	65.	....	.607	3 A. M.:	93 4	28	..	..	.07	Ci-cu.....	..	0	..
	2 00	23 6	763.30	29.934	65.1	64.2	....	.591	(D. 61.5)	93.9	154	..	..	.8	Ci-cu., Ci-s., N.....	..	135	..
	4 00	23.4	763.55	29 915	64.6	63.2	....	.566	(A. 65.1)	92.3	154	..	..	.9	Ci-cu., Ci-s.....	..	..	..
	6 00	22.7	764.00	29 966	64.8	64.5	....	.604	9 A. M.:	93.4	154	..	..	1.0	Ci., Ci-s., Ci-cu.....	..	157	..
	8 00	22.1	764.20	29.977	68.7	66.6	....	.627	(D. 64.8)	88.5	165	..	..	1.0	Ci., Ci-s., Ci-cu.....	..	135	..
	10 00	23.9	765.00	29.999	74.	69.4	....	.661	(A. 72.)	84.	255	..	..	.8	Ci., Cu., Ci-cu., Ci-s..	..	90	..
	12 00	25.1	765.50	30.014	77.3	69.1	....	.613	3 P. M.:	76.	260	..	..	.7	Ci., Cu., Ci-cu, Ci s..	225	90	..
	14 00	25.9	765.40	30.006	78.5	68.7	....	.585	(D 66.2)	75.8	270	..	..	1.0	Ci., Cu., Ci-cu., Ci-s..	270	45	..
	16 00	26.9	765.50	30.005	79.8	69.5	....	.598	(A. 79.5)	74.1	300	..	..	1.0	Cu.....	..	225	..
	18 00	26.9	766.00	30.025	77.4	69.5	....	.625	9 P. M.:	74.7	293	..	..	..	Ci., S., Ci-s.....	..	..	..
	20 00	25 3	766.80	30.065	70.8	66.6	....	.603	(D. 62.8)	82.	255	..	..	..	Clear.....	..	..	..
	22 00	23.5	767.30	30.092	68.3	66.3	....	.621	(A. 70.)	92.	250	..	..	..	Clear.....	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																	
16	0	00	23.9	771.70	30.262	63.	61.6	61.	.536	3 A. M.:	89.6	218	..	..	..	Clear	..	..	..
	2	00	23.	771.25	30.249	62.3	60.9	59.6	.523	(D. 51 3)	90.	218	..	..	..	Clear	..	..	..
	4	00	22.4	770.60	30.225	60.8	59.	57.	.485	(A. 61.7)	90.5	224	..	..	..	Clear	..	..	..
	6	00	21.7	771.20	30.254	61.	59.7	....	.503	9 A. M.:	90.7	202	..	..	.7	Ci., Ci-cu., Ci-s.	..	..	..
	8	00	22.	771.40	30.260	67.4	63.1	....	.530	(D. 59.4)	84.	215	..	..	..	Clear, exc. a slight haze.	..	..	..
	10	00	23.	771.55	30.261	71.2	65.	111.	.548	(A. 69.7)	79.5	280	..	..	.1	Cu., hazy	..	270	..
	12	00	24.3	770.75	30.222	74.5	67.5	113.	.592	3 P. M.:	76.	220	..	..	.2	Cu., hazy	..	270	..
	14	00	25.	770.00	30.189	76.	68.3	118.	.602	(D. 62.3)	75.2	240	..	..	.4	Cu., hazy	..	270	..
	16	00	26.1	769.50	30.165	76.7	67.7	....	.573	(A. 76.7)	73.	250	..	..	..	Cu., hazy	..	270	..
	18	00	26.	768.90	30.142	75.4	68 3	....	.606	9 P. M.:	75.	250	..	..	..	S.	..	..	..
	20	00	25.7	768.95	30.146	68.	62.5	62.7	.504	(D. 57.3)	78.	0	..	..	..	Clear	..	..	..
	22	00	24.2	768.80	30.147	64.2	60.4	59.6	.486	(A. 66.)	83.	14	..	..	..	Clear	..	..	..
17	0	00	23.1	768.15	30.129	62.1	60.1	57.2	.502	3 A. M.:	87.9	30	..	..	..	Clear	..	..	..
	2	00	21.5	767.85	30.125	59.8	58 3	56.7	.477	(D. 57.4)	91.3	106	..	..	..	Clear	..	..	..
	4	00	20.9	767.35	30.107	59.	58.7	56.	.498	(A. 59.2)	92.1	106	..	..	..	Clear	..	..	..
	6	00	20.6	767.35	30.108	60 8	60.7	....	.535	9 A. M.:	91.4	107	..	..	..	A few Ci-s. in *NE*	..	..	..
	8	00	21.2	767.20	30.100	66.7	65.	102.6	.598	(D. 60.)	86.	155	..	..	..	Clear, slight haze	..	..	..
	10	00	23.3	767.00	30.081	72	68.2	120.	.643	(A. 68.6)	78.	135	..	..	..	A few detached Cu. in *S.*	..	..	..
	12	00	25.	766.50	30.054	77.4	69.	128.	.608	3 P. M.:	73.6	85	..	..	.3	Cu., S.	..	270	..
	14	00	25.8	765.80	30.022	79.	69.2	120.	.596	(D. 67.8)	72.5	70	..	..	.3	Cu., S.	..	..	..
	16	00	27.1	765.50	30.005	80.	70.7	111.	.638	(A. 80.7)	71.	55	..	..	..	Cu.	..	..	..
	18	00	27.	765.25	29.991	78.3	70.2	....	.640	9 P. M.:	73.	100	..	..	..	Ci s.	..	..	..
	20	00	26.2	765.50	30.009	70.4	67.3	64.7	.631	(D. 62.3)	86.5	16	..	..	..	Clear	..	..	..
	22	00	24.1	765.40	30.014	67.9	65.	62.8	.584	(A. 70.4)	87.	43	..	..	..	Clear	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
18	0 00	24.4	765.35	30.011	66.	64.	61.2	.574	3 A. M.:	90.9	67	..	..	..	Clear	..	..	..
	2 00	23.7	764.70	29.989	62.2	61.3	57.	.536	(D. 57.5)	89.	67	..	..	..	Clear	..	..	..
	4 00	22.4	764.30	29.979	60.8	58.6	54.8	.474	(A. 61.5)	91.9	102	..	..	.3	Ci., Ci cu., S	..	180	..
	6 00	21.8	765.00	30.010	61.6	61.	....	.534	9 A. M.:	93.2	103	..	..	.4	Ci., Ci-s	..	45	..
	8 00	22.2	765.10	30.011	69.	66.5	114.	.620	(D. 63.)	87.	90	..	..	.6	Ci., Ci-cu., Ci s.	..	315	..
	10 00	23.7	765.50	30.021	73.9	68 8	115.	.641	(A. 71.4)	80.5	96	..	..	.6	Ci., Ci cu., Ci-s., Cu.	..	315	..
	12 00	25.2	765.00	29.993	77.5	69.8	118.	.634	3 P. M.:	74.5	18	..	..	.4	Ci., Ci-cu., Ci-s., Cu.	..	315	..
	14 00	26.4	764.40	29.965	78.6	70.6	....	.653	(D. 64.5)	73.3	5	..	..	.3	Cu., Ci cu. Ci-s.	..	315	..
	16 00	27.1	763.75	29.936	79.5	71.	....	.657	(A. 79.5)	72.	74	..	..	.6	Ci-cu., Ci-s.	..	..	..
	18 00	27.	763.40	26.922	77.8	70.7	....	.666	9 P. M.:	74.	115	..	..	.1	Ci., Ci-cu., Ci s., S.	..	..	..
	20 00	26.	763.80	29.942	70.8	68.4	64.9	.663	(D. 65.5)	88.2	15	..	..	..	Clear	..	..	..
	22 00	25.1	763.90	29.951	67.3	65.5	60.5	.608	(A. 68 3)	93.	15	..	..	..	Clear	..	..	..
19	0 00	24.4	763.65	29.944	64.9	63.6	61.2	.574	3 A. M.:	94.3	15	..	..	..	Clear	..	..	..
	2 00	23.7	763.15	29.928	63.1	62.	59.8	.547	(D. 58.3)	94.2	15	..	..	..	Clear	..	..	..
	4 00	22.8	762.40	29.903	61.6	60.4	57.8	.516	(A. 61.4)	94.6	150	..	..	..	Clear, hazy	..	..	..
	6 00	22.1	763.20	29.937	60.6	60.5	....	.531	9 A. M.:	94.	150	..	..	..	Clear, hazy	..	..	..
	8 00	22.7	763.30	29.938	68.5	65.3	114.	.587	(D. 62.6)	86.	150	..	..	..	Clear	..	..	..
	10 00	24.1	763.15	29.925	74.2	65.2	126.	.518	(A. 72.4)	71.	200	..	..	..	Clear	..	..	..
	12 00	25.2	763.00	29.914	77.	67.	126.	.545	3 P. M.:	69.2	55	..	..	..	Clear	..	..	..
	14 00	26.2	762.50	29.891	80.	68.1	120.	.552	(D. 62.)	66.5	160	..	..	..	Clear	..	..	..
	16 00	27.4	762.20	29.872	81.5	72.	113.7	.670	(A. 80.8)	68.5	88	..	..	..	Clear, hazy	..	..	..
	18 00	27.5	762.50	29.884	77.5	71.5	....	.699	9 P. M.:	78.5	43	..	..	..	Clear, hazy	..	..	..
	20 00	27.	763.15	29 912	72.5	69.3	....	.674	(D. 66.5)	87.	43	..	..	..	Clear, hazy	..	..	..
	22 00	26.4	763.70	29.937	71.	68.7	....	.671	(A. 71.4)	91.3	43	..	..	..	Clear, hazy	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
20	0 00	25.5	764.00	29 952	69.1	67.	65.7	.635	3 A. M.:	89.5	75	..	..	..	Clear	..	..	..
	2 00	25.2	764.00	29.954	67.6	66.	64.	.620	(D. 62.5)	92.8	60	..	..	..	Clear	..	..	..
	4 00	24.6	764.00	29.957	66.1	66.	63.2	.637	(A. 65.4)	94.	60	..	..	.2	S. in Hor	..	..	..
	6 00	24.2	764.30	29.971	68.	67.1	....	.651	9 A. M.:	93.8	60	..	..	.4	Ci-s., light Ci	..	..	..
	8 00	24.5	764.20	29.966	74.5	72.3	103.5	.758	(D. 70.)	90.	25	..	..	.1	Light Ci	..	..	..
	10 00	26.1	764.50	29.970	78.5	74.5	123.	.794	(A. 77.)	86.2	45	..	..	.2	Clear	..	..	..
	12 00	28.	764.40	29.957	82.8	77.4	124.2	.863	3 P. M.:	83.4	32	..	..	.1	Cu., Ci-s	..	..	..
	14 00	29.6	764.00	29.934	85.8	78.3	116.	.864	(D. 73.5)	78.5	24	..	..	.2	Cu., Ci-cu., Cu-s., S.	..	90	..
	16 00	30.	763.75	29 921	84.5	77.1	109.9	.832	(A. 86.3)	79.	45	..	..	.4	Cu., Ci-s., Cu-s	..	45	..
	18 00	29.8	763.55	29.915	81.4	75.4	....	.797	9 P. M.:	79.2	55	..	..	.6	Cu., Ci-s. Cu	..	0	..
	20 00	28.2	764.30	29.952	78.3	75.5	....	.836	(D. 72.2)	90.5	40	..	..	.1	Cu-s. in *W*	..	..	..
	22 00	28.1	764.35	29.955	76.9	74.5	....	.813	(A. 77.4)	91.2	40	..	..	.1	Cu s. in *N*	..	..	..
21	0 00	27.4	764.00	29.943	74.	73.2	71.8	.797	3 A. M.:	93.8	43	..	..	..	Clear	..	..	..
	2 00	27.2	764.15	29.950	72.2	71.6	69.	.759	(D. 70.6)	94.	43	..	..	.3	Ci-cu	..	..	..
	4 00	26.8	764.00	29.947	72.	71.7	69.	.765	(A. 72.8)	93.2	45	..	..	.7	Ci., Cu., Ci cu	..	..	..
	6 00	26.4	764.25	29.959	72.6	72.	....	.768	9 A. M.:	93.7	43	..	..	.8	Ci., Ci-s , Ci., Cu	..	..	..
	8 00	26 6	764.20	29.956	75.5	73.6	121.5	.794	(D. 72.)	87.5	110	..	..	.1	Ci., Ci-s., Ci , Cu	..	..	..
	10 00	28.	764.20	29.949	80.5	76.2	131.5	.838	(A. 78.2)	82.7	148	..	..	.5	Cu., Ci-cu., Ci-s., S	..	90	..
	12 00	29.	763.80	29.928	85.1	78.7	130.	.891	3 P. M.:	81.	0	..	..	.4	Ci., Cu., Ci cu., Cu-s., S.	..	67	..
	14 00	29.7	762.55	29.876	83.8	77.3	....	.845	(D. 72 3)	81.7	48	..	..	.9	Ci., Cu., Ci-s., Cu-s	..	..	..
	16 00	29.8	763.10	29.897	79.5	72.7	....	.716	(A. 83.9)	83.	20	..	..	1.0	Cu s., N	..	45	..
	18 00	28.3	763.00	29.899	74 5	72.	....	.747	9 P. M.:	91.	354	.7	.13	1.0	Cu-s., N., rain	..	45	..
	20 00	27.2	762.55	29.887	73.5	71.4	....	.737	(D. 70.8)	93.	235	..	.07	1.0	Cu-s., N., rain	..	225	..
	22 00	27.3	762.90	29.901	71.9	70.4	....	.719	(A. 72.6)	93.2	355	.2	.19	1.0	Cu s., N., rain	..	337	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
23	0 00	24.3	763.25	29.928	68.6	65.7	....	.599	3 A. M.:	89 4	166	..	.21	.2	Ci-cu	..	135	..
	2 00	23.5	763.80	29.951	66.2	62.9	61.	.538	(D. 57.6)	83.6	169	..	.02	..	Clear	..	..	..
	4 00	23.1	764.30	29.977	64.7	60.6	60.	.487	(A. 65.6)	82.8	173	..	..	.5	Ci., Ci-cu	..	..	..
	6 00	22.6	765.40	30.022	64.	59.5	....	.464	9 A. M.:	83.9	190	..	..	.6	Ci., Ci-s	..	130	..
	8 00	22 8	766.35	30.059	68.6	62.6	....	.502	(D. 57.)	82.4	220	..	..	.8	Ci., Ci-cu	..	247	..
	10 00	23.7	767.00	30.079	71.	62.6	103.	.474	(A. 69.4)	76.	220	.7	..	.3	Cu., Ci., Ci-cu., Ci-s.	..	225	90
	12 00	24 5	767.00	30.075	73.5	65.	110.	.520	3 P. M.:	76.	220	.8	..	.5	Cu., Ci-s	..	225	..
	14 00	25.	767.10	30.076	75.	64 6	110.	.492	(D. 59.5)	70.5	220	.2	..	.7	Cu., Ci-s., Ci	..	225	95
	16 00	25.	766.90	30.069	74.8	63.5	106.	.459	(A. 74.5)	67.	263	..	..	.9	Cu., Ci-s., Ci	..	225	90
	18 00	25.	767.15	30.078	73.2	65.4	....	.536	9 P. M.:	71.	258	..	..	.9	Ci., Ci-s	..	90	..
	20 00	24.7	768.05	30.115	65.7	63.4	....	.560	(D. 60.5)	87 3	258	..	..	.1	Ci., Ci s	..	..	..
	22 00	23.6	768.50	30.138	63.	61.	57.5	.518	(A. 64.5)	91.	342	..	..	..	Ci-s	..	..	..
24	0 00	23.1	768.65	30.147	61.	60.1	52.5	.515	3 A. M.:	93.6	342	..	..	.2	Ci-cu	..	0	..
	2 00	22.7	768.60	30.146	61.5	59.8	....	.501	(D. 59.4)	91.	173	..	..	.8	Ci-cu	..	135	..
	4 00	21.9	769.00	30.165	60.9	58.2	....	.462	(A. 62.)	96.	171	..	..	.7	Ci., Cu., Ci-cu	..	45	..
	6 00	21.2	769.80	30.201	59.8	57.6	....	.458	9 A. M.:	88.9	179	..	..	.9	Ci., Cu., Ci-cu	..	..	..
	8 00	21.5	770.65	30.233	65.	58 5	....	.424	(D. 56.)	78.	195	..	..	.4	Ci., Ci-s	..	90	..
	10 00	22.7	771.15	30 246	71.	64.5	111.3	.533	(A. 68.)	77.5	245	..	..	.7	Ci., Ci-s., Cu	..	90	..
	12 00	23.9	771.00	30.234	73.	64.	118	.494	3 P. M.:	72.7	220	..	..	.5	Ci., Ci-s., Cu	..	225	90
	14 00	24.9	770.40	30.205	74.7	62.4	117.	.427	(D. 55.)	65.5	260	..	..	.4	Ci., Ci-s., Cu	..	270	90
	16 00	25.5	770.45	30.204	75.1	64.7	122.7	.492	(A. 75.2)	66.3	245	..	..	.2	Ci., Ci-s., Cu	..	225	90
	18 00	25.3	770.65	30.214	72.8	66.5	....	.576	9 P. M.:	72.3	249	..	..	..	Ci., Ci-s., Cu	..	..	..
	20 00	24.6	771.00	30.231	66.	62.5	59.5	.528	(D. 59.)	83 1	5	..	..	..	S	..	..	..
	22 00	23.9	770.80	30.226	62.5	60.5	58.3	.509	(A. 64.3)	89.	5	..	..	..	S	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
25	0 00	23.	770.65	30.225	61.	59.4	57.2	.495	3 A. M.:	93.8	7	..	..	.2	Ci-cu., Ci-s.....	..	0	..
	2 00	22.2	770.30	30.214	58.8	57.1	56.	.456	(D. 55.1)	93.4	190	..	..	..	Clear.....	..	..	..
	4 00	21.4	770.25	30.217	58.2	57.	54.2	.459	(A. 58.6)	93.2	190	..	..	.2	Ci., Cu., Ci-s., S.....	..	180	..
	6 00	20 8	770 50	30.230	57.6	56.7	....	.459	9 A. M.:	93.8	189	..	..	.4	Ci., Ci s., S.....	..	..	..
	8 00	21.7	770.40	30.222	66.5	63.	104.	.538	(D. 57.3)	85.	160	..	..	.4	Ci., Ci-cu., Ci-s.....	..	90	..
	10 00	23.	770.20	30.207	71.3	64.3	118.5	.523	(A. 69.6)	76.2	118	..	..	.2	Cu., Ci-cu., Ci-s.....	..	..	..
	12 00	24.3	769.80	30.185	73.8	63.8	116.	.479	3 P. M.:	69.	270	..	..	.6	Cu., Ci., Ci s.....	..	270	90
	14 00	24.8	769.10	30.156	75.2	64.7	115.	.491	(D. 58.)	68.	240	..	..	.7	Ci., Cu.....	..	270	90
	16 00	25.6	768.50	30.128	76.2	66.3	117.2	.531	(A. 75.)	67.6	90	..	..	.6	Ci., Cu., Ci-s.....	..	270	90
	18 00	25.6	768.05	30.110	73.5	67.4	....	.598	9 P. M.:	72.	64	..	..	.1	Ci., Cu., Ci-s.....	..	..	..
	20 00	24 7	768.15	30.119	66.7	63.5	63.	.552	(D. 60.)	86.	15	..	..	..	Ci., (Ci-s ?) halo.....	..	..	..
	22 00	21.8	768.60	30.152	63.5	61.	....	.513	(A. 64.5)	88.	14	..	..	.8	Ci., Ci-s., halo.....	..	..	..
26	0 00	22.4	767.00	30.084	61.3	59.1	56.8	.483	3 A. M.:	90.8	13	..	..	.3	Ci-s., Ci-cu.....	..	..	..
	2 00	21.4	766.40	30.067	59.	58.	53.9	.478	(D. 55.6)	92.	14	..	..	.2	Ci-s., Ci-cu.....	..	..	..
	4 00	21.2	765.75	30.042	57.6	56.	....	.440	(A. 58.)	94.2	15	..	..	.6	Ci-s., Ci-cu., Ci.....	..	..	..
	6 00	20.7	766.00	30.055	58.5	57.6	....	.473	9 A. M.:	94.6	235	..	..	1.0	Ci-s., Ci-cu., Cu-s. (?)..	..	..	..
	8 00	20.7	765.70	30.043	65.6	62.5	....	.533	(D. 59.5)	86.	240	..	..	.8	Ci., Ci-cu.....	..	90	..
	10 00	21.6	765.40	30.026	69.5	63.8	....	.528	(A. 68.)	73.	290	..	..	1.0	Ci-cu., Ci-s.....	..	..	..
	12 00	22.1	765.30	30.018	69.4	63.4	....	.518	3 P. M.:	78.	0	..	..	1.0	Cu., Ci-s.....	..	..	..
	14 00	22 2	764.25	29.977	70.2	65.3	....	.567	(D. 60.5)	81.6	280	..	..	1.0	Cu., Ci-s., N., slight rain	..	..	..
	16 00	22.5	764.25	29.976	68.5	65 3	....	.587	(A. 70.)	86.5	315	..	..	1.0	Cu., Ci-s., N., slight rain	..	..	..
	18 00	22.2	762.70	29.916	67.4	64.5	....	.574	9 P. M.:	87.	290	.2	..	1.0	Ci-s., N.....	..	..	..
	20 00	22.	762 40	29.906	67.	64.	....	.563	(D. 63.2)	88.1	260	.2	..	1.0	Ci-s , N., rain.....	..	..	..
	22 00	21 8	761.70	29.880	65.	64.1	....	.589	(A. 65.4)	92.	257	..	.29	1.0	N., rain.....	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																	
27	0	00	21.8	761 65	29.880	64.4	64.	....	.592	3 A. M.:	91.	207	..	.23	1.0	Ci-s., Cu-s., rain.....	..	..	..
	2	00	21.2	760.85	29.851	65.6	64.6	....	.598	(D. 64.3)	91.3	234	..	.08	1.0	N., Cu-s., rain.....	..	..	..
	4	00	21.2	760.70	29.845	66.4	65.5	....	.618	(A. 66.2)	91.4	233	..	.06	1.0	Cu-s., rain.....	..	..	..
	6	00	21.4	761 25	29.865	65.9	65.6	....	.627	9 A. M.:	92.2	192	..	.02	1.0	N., Cu-s., rain.....	..	..	..
	8	00	21.1	761.50	29 876	67.	66.3	....	.636	(D. 66.5)	92.5	155	..	.01	1.0	Dense fog, slight rain..	..	..	..
	10	00	21.8	761.70	29 881	71.6	70.	....	.709	(A. 67.6)	89.4	145	..	..	1.0	Ci-s., S.....	..	..	..
	12	00	22.8	761.85	29.882	74 7	71.3	....	.719	3 P. M.:	85.	108	..	..	1.0	Cu., Ci s.....	..	..	..
	14	00	24.	761.70	29.869	77.	72.4	....	.734	(D. 67.5)	82.5	112	..	..	.9	Ci., Cu.....	..	45	..
	16	00	25.	761.75	29.867	76.	71.6	....	.716	(A. 77.8)	85.	110	..	..	1.0	Cu., Ci-cu., N.....	..	67	..
	18	00	25.2	762 05	29.877	75.4	71.8	....	.729	.....	86.	172	..	..	1.0	Cu., Ci., N.....	..	67	..
	20	00	25.1	763.20	29.922	73.8	71.2	....	.726	.....	89.	171	..	..	1.0	Cu., N.....	..	..	..
	22	00	25.1	763.10	29.918	72.5	71.	....	.734	.....	91.	220	..	..	1.0	Ci-s., N.....	..	..	..
28	0	00	25.4	763 50	29.933	71.5	70.2	....	.717	.....	93.	191	..	..	1.0	Ci., Ci-s., N., slight rain	..	..	..
	2	00	25.2	763.15	29.920	71.	69.7	....	.705	.....	92.	207	..	..	1.0	Ci-cu., Cu-s., (?) N....	..	..	..
	4	00	25.	762.85	29.910	70.8	70.	....	.718	.....	93.	236	..	..	1.0	Ci-s., Cu-s. (?).....	..	..	..
	6	00	25.	763.80	29.947	71.5	71.	....	.745	9 A. M.:	92.5	285	..	..	1.0	Ci s., S.....	..	..	..
	8	00	25.	764.00	29.955	73.	71.7	....	.753	(D. 70.5)	92.	300	..	..	1.0	Ci-s., S., N. (?).....	..	270	..
	10	00	25.	764 20	29.963	74.7	73.2	....	.789	(A. 74.5)	91.	285	..	.03	1.0	Ci-s., S., N., rain.....	..	270	..
	12	00	25.5	764.15	29.958	77.	73.9	....	.789	3 P. M.:	90.4	268	..	.04	.95	Ci-s., S., N., rain.....	..	270	..
	14	00	26.	763.70	29.938	75.5	74.	....	.810	(D. 72.8)	90.3	290	.1	.03	1.0	N., rain.....	..	337	..
	16	00	25.9	763.95	29.949	74.5	73.	....	.784	(A. 75.3)	91.2	250	..	.40	1.0	N., rain.....	..	337	..
	18	00	26.	764.35	29.964	74.5	72.8	....	.777	9 P. M.:	92.5	265	..	.01	1.0	N., (?) Ci s.....	..	270	..
	20	00	25.5	764.80	29.984	73.6	72.6	....	.780	(D. 71.5)	91.5	265	..	..	1.0	N., Ci-s.....	..	..	..
	22	00	25.3	765.00	29 993	73.1	72.4	....	.778	(A. 73.5)	92.	255	..	..	1.0	Ci-s, S., N. (?).....	..	315	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr, height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
30	0 00	26.7	766.00	30.026	74.	73.	....	.790	3 A. M.:	86.	290	..	..	1.0	Ci s., Cu-s	..	..	..
	2 00	26.5	765.35	30.001	73.7	72.6	....	.779	(D. 69.4)	89.8	318	..	..	1.0	Ci-s., Cu-s	..	..	..
	4 00	26.1	765.00	29.989	73.	72.	....	.764	(A. 73.)	90.2	323	..	..	1.0	Cu-s., N	..	..	..
	6 00	26.	765.15	29.995	68.6	68.3	....	.685	9 A. M.:	91.4	337	..	.75	1.0	Cu s., Ci-cu.. Ci-s., rain	..	337	..
	8 00	25.	765.20	30.002	68.8	68.2	....	.679	(D. 68.)	91.8	70	..	.25	1.0	Cu., N., rain	..	..	..
	10 00	25.2	765.00	29 993	73.2	71.	....	.727	(A. 70.)	88.	235	..	..	.7	Ci-cu., broken Cu	..	270	..
	12 00	26.2	764.25	29.959	78.	74.5	116.	.801	3 P. M.:	85.	330	..	..	.5	Cu	..	292	..
	14 00	27.4	763.70	29.931	79.6	74.4	119.5	.781	(D. 72.)	82.	45	..	..	.6	Cu	..	67	..
	16 00	28.4	762.80	29.892	80.4	74.5	98.5	.775	(A. 79.7)	80.9	5	..	..	..	Cu	..	0	..
	18 00	28.	762.60	29.886	78.2	74.8	....	.812	9 P. M.:	84.	42	..	..	.2	Cu., Ci-cu	..	45	..
	20 00	27.5	762.70	29.892	73.	71.5	72.5	.747	(D. 69.5)	90.3	30	..	..	..	Ci-cu. in *SE*	..	..	..
	22 00	26.8	762.70	29 896	70.9	69.3	69.	.694	(A. 71.7)	91.4	30	..	..	..	Clear	..	..	..
31	0 00	26.	762 00	29.871	70.6	69.	67.3	.686	3 A. M.:	92.	105	..	..	.1	Ci., Ci-cu	..	157	..
	2 00	25.6	761.55	29.856	69.1	65.3	63.8	.581	(D. 62.6)	85.	130	..	..	.4	Ci cu	..	135	..
	4 00	25.	761.25	29.847	68.2	63.8	63.	.545	(A. 68.9)	82.7	156	..	..	.3	Cu., Ci-cu	..	..	..
	6 00	24.1	761.65	29 867	67.8	62.3	....	.504	9 A. M.:	81.9	147	..	..	.7	Ci., Ci-cu., Ci-s	..	135	..
	8 00	24.6	761.75	29.869	71.	65.2	104.5	.557	(D. 62.5)	80.	130	..	..	..	Clear	..	..	..
	10 00	25.1	761.70	29.865	74.5	67.5	115.	.593	(A. 72.5)	77.2	130	..	..	..	Clear	..	..	..
	12 00	26.	761.40	29.848	76.8	64.8	121.	.481	3 P. M.:	65.5	130	..	..	..	Scattered Cu., Ci-cu. in *S.*	..	..	..
	14 00	26.6	760.65	29.816	77.8	67.3	114.2	.550	(D. 63.)	65.9	110	..	..	..	Scattered Cu., Ci cu. in *S.*	..	..	..
	16 00	27.2	760.25	29.797	78.3	67.3	116.8	.545	(A. 78.4)	67.5	93	..	..	..	Scattered Cu	..	..	..
	18 00	27.5	760.20	29.794	76.5	70.	....	.655	9 P. M.:	71.8	95	..	..	..	Scattered Cu	..	..	..
	20 00	26 5	760.50	29.812	70.4	65.6	....	.577	(D. 63.5)	82.8	95	..	..	..	A little Ci-s., Ci-cu	..	..	..
	22 00	25.5	760.85	29.829	68.2	65.4	....	.594	(A. 69.5)	85.	180	..	..	1.0	Cu., Ci-cu	..	180	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
1	0	15	25.9	760 55	29.816	68.	65.	....	.583	85.	164	..	..	1.0	Cu-s., Ci cu.	..	..	..
	2	15	24.	760.00	29.802	67.	63.8	61.3	.557	86.6	140	..	..	.05	Cu.	..	..	..
	4	15	23.6	759.55	29.787	64.	62.6	60.4	.554	90.	157	..	..	..	Clear.	..	..	..
	6	15	23.4	760.30	29.818	64.2	62.	....	.534	89.	153	..	..	..	Clear.	..	..	..
	8	15	23.8	761.25	29.852	70.	65.	107.	.561	81.6	170	..	..	..	Clear.	..	..	..
	10	15	24.	761.20	29.849	72.5	66.1	116.	.568	79.	103	..	..	..	Ci., Cu.	..	..	..
	12	15	25.1	761.20	29.845	75.4	67.8	122.	.592	75.7	103	..	..	.4	Cu.	..	..	..
	14	15	26.5	760.50	29.812	77.4	69.	119.	.576	71.5	115	..	..	.4	Ci., Cu.	..	..	..
	16	15	27.4	760.70	29.814	78.5	68.5	108.	.580	69.	122	..	..	.7	Ci., Cu., S.	..	..	..
	18	15	27.1	760.70	29.816	76.	71.	....	.695	76.2	108	..	..	1.0	Ci., Cu., S.	..	..	..
	20	15	26.2	761.05	29.834	70.3	67.3	....	.632	87.	108	..	..	.9	Ci., Cu., S.	..	..	..
	22	15	24.6	761.20	29.847	67.6	66.5	62.3	.636	91.2	63	..	..	..	A few Ci., S.	..	..	..
2	0	15	24.3	761.20	29.848	65.7	64.9	62.	.606	92.	62	..	..	..	Clear.	..	..	..
	2	15	24.	761.00	29 841	65.	64.2	61.4	.592	93.	46	..	..	..	Clear.	..	..	..
	4	15	24.1	761.85	29.875	65.	64.6	62.	.605	94.2	46	..	..	.1	Ci.	..	45	..
	6	15	23.1	762.05	29.887	65.2	65.	....	.615	94.	45	..	..	.4	Ci., S.	..	..	..
	8	15	23.5	761.60	29.868	72.	70.	93.	.705	90.	20	..	..	.3	Ci.	..	..	..
	10	15	25.5	761.65	29.860	77.5	72 5	104.5	.733	83.	45	.6	..	.2	Ci.	..	..	..
	12	15	26.6	762.00	29.868	79.	72.6	110.	.721	80.2	40	.7	..	.2	Slight Ci., Cu.	..	..	..
	14	15	27.8	761.60	29.848	81.3	74.7	111.	.773	78.6	45	.8	..	.1	Ci.	..	..	..
	16	15	28.5	761.30	29.832	82.	74.3	114.	.750	76.8	38	.6	..	.1	Ci., Ci-s.	..	..	..
	18	15	28.5	761.25	29.830	80.	74.4	....	.776	82.	38	..	..	.1	Ci., Ci-s.	..	..	..
	20	15	28.	763.40	29.917	78.	70.5	....	.756	75.	155	1.2	..	1.0	Ci., Cu.	..	..	..
	22	15	27.9	764.00	29.942	72.	67.	....	.604	84.3	115	.2	..	1.0	Ci.	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
3	0 15	26.1	762.00	29.871	70.	68.6	....	.680	91.6	45	..	.06	.7	Ci., Ci-s., Ci-cu	..	..	..
	2 15	25.5	761.80	29.866	68.6	66.8	....	.635	91.2	76	..	..	.2	Ci., Ci-cu	..	..	..
	4 15	25.1	761.50	29 857	68.1	66.8	64.8	.641	90.4	76	..	..	..	Clear	..	..	..
	6 15	24.6	761.30	29.851	67.6	66.5	....	.636	91.8	76	..	..	..	Clear	..	..	..
	8 15	25.	762.65	29.902	74.2	71.5	103.	.733	88.	35	..	..	.1	Cu., Ci-s. in *S.*	..	..	..
	10 15	26.5	762.65	29.896	79.5	75.8	115.	.835	87.	20	..	..	.2	Cu.	..	..	..
	12 15	28.3	762.00	29.860	84.	77.	118.5	.833	79.	20	..	..	.3	Cu.	..	..	..
	14 15	28 9	760.75	29.809	85.	76.1	115.	.787	75 2	20	.3	..	.3	Cu.	..	22	..
	16 15	29.2	759.80	29.770	83.7	74.7	103.7	.747	65.9	07	.5	..	..	Cu., Ci-s.	..	22	..
	18 15	29.	759.20	29.747	79.	74.	....	.772	82.	340	.2	..	.2	Clear	..	22	..
	20 15	28.	759.35	29.758	75.5	73.5	73.5	.782	90.7	355	.1	..	.4	Ci.	..	22	..
	22 15	28.	759.25	29.754	75.	73.5	73.1	.798	92.3	0	..	..	..	Ci.	..	337	..
4	0 15	27.	758.50	29.730	75.2	74.	74.3	.814	92.	23	..	..	.4	Ci-s., Ci cu	..	45	..
	2 15	26.7	757.80	29.704	75.5	73.6	....	.795	89.2	38	..	..	1.0	Ci s., Ci-cu., Cu-s	..	0	..
	4 15	26.7	757.35	29.686	74.2	72.8	....	.781	90.	86	..	.04	1.0	Ci s., Ci-cu., Cu-s., N	..	90	..
	6 15	26.	757.05	29.677	74.	72.9	....	.786	87.	33	..	..	.9	Ci-s., Ci cu., Cu-s	..	..	..
	8 15	26.	757.05	29.677	76.4	74.	....	.801	88.5	55	.2	..	.7	Ci-cu., Cu	..	..	..
	10 15	27.	756.80	29.663	79.5	74.3	118.	.778	82.5	75	.3	..	.3	Ci-cu., Cu	..	..	..
	12 15	28.3	756.25	29.634	81.4	72.7	119.	.697	77.	90	.3	..	.4	Cu., Ci-cu	..	90	..
	14 15	29.	755.40	29.598	82.3	73.3	123.	.712	74.5	90	.5	..	.7	Cu.	..	90	..
	16 15	29.1	755.40	29.597	82.	73.4	....	.716	75.	125	.5	..	.7	Cu.	..	135	..
	18 15	28.3	755.50	29.605	79.	72.5	....	.716	77.8	111	.5	..	..	Cu. at Hor	..	..	..
	20 15	28.3	756.25	29.634	74.5	68.	71.2	.609	78.5	130	1.0	..	.1	Ci cu	..	..	..
	22 15	27.	757.00	29.671	72.2	68.2	67.7	.642	84.	138	..	..	..	Clear, Exc. slight Ci. in *S.*	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
6	0 15	24.2	762.00	29.888	65.	62.6	64.8	.543	87.	170	..	..	..	Clear	..	..	..
	2 15	23.4	762.35	29.898	63.8	62.5	63.2	.553	87.6	170	..	..	..	Clear	..	..	..
	4 15	23.	762.80	29.918	62.6	61.	58.	.533	88.	172	..	..	..	Clear	..	..	..
	6 15	22.3	763.50	29.948	61.1	59.7	....	.502	90.	175	..	..	..	Clear	..	..	..
	8 15	23.	764.45	29.983	68.4	62.1	106.	.489	80.	220	..	..	..	Clear	..	..	..
	10 15	24.	764.75	29.989	71.5	65.	121.3	.543	78.2	175	..	..	.1	Clear	..	..	..
	12 15	25.3	764.30	29.966	75.	67.8	122.4	.595	76.	225	..	..	.1	Cu., Ci	..	225	..
	14 15	26.6	764.10	29.952	77.4	67.6	128.	.568	....	146	..	..	.1	Ci	..	247	..
	16 15	27.	764.00	29.946	75.1	68.7	124.	.590	73.	280	..	..	.1	Ci., Ci-cu	..	270	..
	18 15	26.2	764.00	29.950	75.	69.5	....	.652	77.	262	..	..	..	Clear	..	..	..
	20 15	26.2	764.80	29.982	69.5	66.9	....	.627	86.2	325	..	..	..	Clear	..	..	..
	22 15	25.2	765.15	29.999	67.5	65.3	63.9	.598	89.	340	..	..	..	A few Ci-cu	..	..	..
	0 15	24.8	765.00	29.996	65.2	64.1	61.2	.587	91.	343	..	..	.5	Ci., Ci cu	..	..	..
	2 15	24.2	765.00	29.998	65.6	64.3	....	.588	91.	140	..	..	1.0	Ci , Cu., Ci-s	..	..	..
	4 15	23.5	765.15	30.007	65.3	64.3	....	.592	90.8	167	..	..	1.0	Ci., Cu., Ci-s	..	..	..
	6 15	23.	765.70	30.032	66.6	65	....	.599	91.4	220	..	..	1.0	Ci., Cu., Ci-s., Cu-s	..	..	..
	8 15	23.5	765.90	30.037	69.	65.	....	.571	85.5	245	..	..	.9	Cu., Ci-cu	..	..	..
	10 15	23.9	765.75	30.029	70.6	65.8	....	.579	81.	250	.3	..	1.0	Cu	..	247	..
	12 15	24.	765.60	30.022	70.5	66.9	....	.616	85.	240	..	..	1.0	Cu	..	247	..
	14 15	24.3	765.00	29.997	72.	67.	....	.603	83.5	225	..	..	1.0	Cu	..	247	..
	16 15	24.2	764.75	29.989	72.	67.	....	.602	83.	250	..	..	1.0	Cu	..	247	..
	18 15	23.5	764.50	29.982	70.	67.	....	.625	85.	230	..	..	.1	Ci-cu., Ci-s	..	..	..
	20 15	22.7	764.35	29.980	66.5	64.	63.9	.569	89.	229	..	..	..	Clear	..	..	..
	22 15	22.7	764.45	29.984	63.7	62.7	62.2	.561	94.	229	..	..	..	Clear	..	..	..

Date.		Barometer.			Thermometers, Fah.					Wind.					Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, &c.	1.	2.	3.
	h. m.																
8	0 15	22.1	764.20	29 978	63.8	62.8	62.	.563	94.	229	..	..	.3	Ci-cu., Cu-s	..	..	..
	2 15	21.9	764.00	29.970	63.2	62.6	....	.563	94.2	180	..	..	.7	Ci., Ci-cu., Cu-s	..	..	..
	4 15	21.7	764.00	29.971	61.8	60.8	60.	.526	94.	180	..	..	.1	Ci., Ci-cu	..	..	..
	6 15	21.2	764.25	29 984	61.9	61.6	....	.549	93.7	205	..	..	.3	Ci., Cu., Cu-s	..	..	..
	8 15	21.7	764.70	29.999	65.	62.6	....	.543	89.	335	..	..	.6	Cu	..	247	..
	10 15	22.5	764.65	29.993	69.5	63.5	....	.520	79.5	250	..	..	.4	Cu	..	..	..
	12 15	23.6	764.00	29.962	71.5	64.	120.	.512	75.	245	..	..	.1	Cu	..	..	..
	14 15	24.2	763.60	29.943	73.7	65.5	122.3	.535	73.	260	..	..	..	Clear	..	..	..
	16 15	24.7	763.60	29.941	74.	65.6	101.7	.534	68.5	235	..	..	..	Cu. at Hor	..	..	..
	18 15	24.7	763.90	29.953	71.	64.8	....	.542	73.	255	..	..	..	Clear	..	..	..
	20 15	23.5	764.75	29.992	65.5	63.5	....	.565	87.5	288	..	..	..	Clear	..	..	..
	22 15	23.	764.60	29.989	62.5	60.5	58.9	.509	90.2	300	..	..	..	Clear	..	..	..
9	0 15	21.8	764.50	29.991	59 5	58.8	57.	.495	94.5	196	..	..	..	Clear	..	..	..
	2 15	21.4	764.35	29.987	58.6	58.	56.4	.482	94.7	166	..	..	..	Clear	..	..	..
	4 15	21.	764.75	30 004	57.7	57.2	56.2	.470	95.2	172	..	..	..	Clear	..	..	..
	6 15	20.8	765.25	30.024	57.	56.2	....	.452	94.2	172	..	..	.3	Ci., Ci-cu., Ci-s	..	..	..
	8 15	21.2	765.60	30.037	64.7	62 6	112.	.546	87.2	185	..	..	..	Clear	..	..	..
	10 15	22.5	765.50	30.026	70.5	66.	118.	.587	83.	275	..	..	..	A few small Cu	..	..	..
	12 15	24.	765.40	30 014	73.7	66.7	121.	.573	77.	275	..	..	.1	Small Cu., scattered	..	..	..
	14 15	24.8	765.25	30.006	75.6	68.6	123.5	.615	76.	240	..	..	.2	Cu	..	225	..
	16 15	25.5	765.35	30.005	76.3	67.	113.5	.553	72.5	251	..	.	..	Cu	..	..	..
	18 15	26.	765.70	30.017	73.3	67.	....	.587	75.	237	..	..	..	Clear	..	..	..
	20 15	25.	766.50	30.054	66.8	64.3	62.3	.575	82.1	290	..	..	..	Clear	..	..	..
	22 15	24.	766.90	30.074	62.5	60.4	59.9	.506	89.	267	..	..	..	Clear	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Sky covered, 10ths.	Rain, inches.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir. points.	Force, lbs.				1.	2.	3.
	h. m.																
10	0 15	22.7	766.50	30.065	61.	60.	60.1	.512	92.	178	..	..	..	Cu. in *E*	..	..	..
	2 15	22.8	766.30	30.059	62.	61.2	....	.535	92.8	193	..	..	1.0	Ci-cu., Ci-s.	..	..	..
	4 15	22.	766.10	30.053	63.2	62.	....	.545	92.	167	..	..	1.0	Ci-cu., Ci-s., Cu.	..	..	..
	6 15	21.7	766.50	30.070	63.	61.6	....	.536	91.8	170	..	..	1.0	Ci cu., Ci-s., Cu.	..	..	..
	8 15	21.8	766.60	30.074	67.	64.5	....	.579	88.3	190	..	..	.9	Cu.	..	..	..
	10 15	22.3	766.30	30.059	69.6	64.	....	.533	80.5	270	..	..	.9	Cu.	..	..	..
	12 15	23.4	765.84	30.034	72.2	65.2	....	.541	75.6	190	..	..	.3	Cu.	..	..	..
	14 15	24.3	765.00	29.997	74.	66.7	123.	.570	75.4	225	..	..	.1	Cu., Ci	..	..	..
	16 15	25.3	764.45	29.972	75.2	67.4	112.2	.579	73.2	250	..	..	.2	Cu., Ci	..	..	..
	18 15	24.9	764.35	29.969	73.	68.	....	.624	78.5	300	..	..	.8	Cu.	..	..	..
	20 15	24.3	765.00	29.997	67.5	64.5	....	.573	83.3	310	..	..	.1	Cu.	..	..	..
	22 15	23.8	765.00	29.999	62.4	60.	....	.496	89.2	320	..	..	..	Cu.	..	..	..
11	0 15	23.2	764.60	29.987	61.8	60.3	59.8	.511	92.	315	..	..	..	Clear	..	..	..
	2 15	22.	763.75	29.960	61.	60.5	....	.526	91.8	315	..	..	1.0	Ci-cu., Ci-s., Cu.	..	..	..
	4 15	21.4	763.40	29 949	64.	59.4	59.	.506	93.8	235	..	..	.3	Ci cu. in *E*	..	..	..
	6 15	21.	763.85	29.968	60.	59.6	....	.511	94.2	145	..	..	1.0	Foggy, with much dew	..	..	..
	8 15	21.	764.20	29.982	64.	63.	....	.567	91.3	180	..	..	1.0	Cu., S.	..	..	..
	10 15	21.5	764.20	29.981	68.5	66.	....	.618	87.3	95	..	..	1.0	S.	..	..	..
	12 15	22.6	763.65	29.953	72.8	68.	....	.626	82.	80	..	..	.8	Cu., S.	..	90	..
	14 15	22.8	762.70	29.915	75.	69.5	....	.652	81.	90	..	..	.7	Cu.	..	90	..
	16 15	24.7	762.75	29.908	74.3	68.5	....	.626	80.	135	..	..	.6	Cu.	..	135	..
	18 15	25.	763.15	29.921	72.	68.4	....	.649	83.5	130	..	..	..	Clear	..	..	..
	20 15	24.4	763.45	29.936	68.	65.5	63.8	.600	90.	158	..	..	..	Clear	..	..	..
	22 15	24.	763.75	29.949	67.9	65.4	65.1	.597	91.2	353	..	..	..	Clear	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
13	0	15	23.2	763.80	29.955	68.2	66.2	....	.619	91.8	176	..	..	.1	Cu., S.	..	..	..
	2	15	23.	763.20	29.933	67.9	66.1	....	.620	90.9	175	..	..	.7	Cu., S.	..	..	..
	4	15	23.	763.05	29.927	67.3	64.7	....	.581	89.7	193	..	..	1.0	Dark Cu.	..	..	..
	6	15	22.7	763.60	29.950	66.4	63.4	....	.552	87.5	222	..	..	1.0	S. and Cu.	..	..	..
	8	15	22.2	764.00	29.968	65.3	63.1	....	.555	90.	220	..	..	1.0	Cu., S., N., rain	..	..	..
	10	15	22.	764.20	29.978	66.5	62.5	....	.522	85.	215	..	.02	1.0	Cu., S.	..	..	..
	12	15	22.8	763.80	29.958	69.5	62.5	....	.488	77.5	260	..	..	1.0	Cu., S.	..	..	..
	14	15	23.	763.50	29.947	70.5	64.4	....	.536	75.1	245	..	..	1.0	Slight Ci-cu.	..	..	..
	16	15	23.1	763.35	29.939	70.2	64.5	....	.542	78.8	160	..	..	1.0	Ci-cu.	..	..	..
	18	15	23.	763.65	29.951	68.	64.9	....	.580	83.7	153	..	..	1.0	Ci cu.	..	..	..
	20	15	22.7	764.20	29.974	66.5	64.	....	.569	88.	160	..	..	1.0	?	..	..	..
	22	15	22.5	764.65	29.993	65.	62.5	....	.540	86.3	166	..	..	1.0		..	..	..
14	0	15	22.	765.25	30.019	63.	60.5	....	.504	89.5	162	..	..	:	A few Ci s.	..	..	..
	2	15	21.	764.85	30.009	59.8	56.	....	.415	84.9	172	..	..	:	Clear	..	..	..
	4	15	20.4	765.65	30.043	57.7	54.1	....	.389	84.8	166	..	..	:	Clear	..	..	..
	6	15	19.6	766.35	30.074	56.4	53.	....	.376	85.	163	.3	..	.1	A few Ci-s.	..	..	..
	8	14	20.	767.10	30.101	62.8	56.2	94.	.387	76.	180	.2	..	.1	Ci.	..	..	..
	10	15	21.	767.55	30.115	67.5	58.7	106.	.402	71.2	195	.5	..	.4	Ci.	..	90	..
	12	15	22.	767.50	30.108	71.	60.5	105.	.414	67.5	180	.3	..	.7	Ci.	202	90	..
	14	15	23.	767.15	30.089	71.9	59.6	109 8	.378	63.5	200	.4	..	.3	Ci., Cu.	180	90	..
	16	15	24.	767.15	30.084	72.	61.5	108.2	.432	62.	185	..	..	:	Ci., Cu.	..	..	..
	18	15	23.	767.70	30.111	71.5	62.	....	.483	70.	227	..	..	:	Ci., Cu.	..	..	..
	20	15	22.	768.00	30.128	58.8	56.8	....	.448	88.9	210	..	..	:	Clear	..	..	..
	22	15	20.7	768.10	30.138	59.	54.5	53.5	.385	81.5	155	..	..	:	Clear	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
15	0 15	20.	768.30	30.147	56.5	51.7	52.8	.342	82.	153	..	..	..	Clear	..	..	..
	2 15	19.2	768.45	30.158	54.1	51.2	50.5	.356	83.	168	..	..	..	Clear	..	..	..
	4 15	18.2	768.65	30.169	52.3	49.2	49.	.328	84.7	165	..	..	..	Clear	..	..	..
	6 15	17.6	769.55	30 209	51.6	48.4	....	.318	84.2	170	..	..	..	Clear	..	..	..
	8 15	18.7	770.10	30.224	63.	55.6	92.	.367	74.1	230	..	..	..	Clear	..	..	..
	10 15	20.	770.40	30.229	67.5	59.	118.3	.409	71.	225	..	..	..	S.	..	..	..
	12 15	21.8	770.50	30.226	71.	60.8	119.5	.431	63.	240	..	..	.03	Cu., Ci., Ci-s., (slight)	..	..	..
	14 15	23.	769.75	30.190	72.1	60.5	112.	.400	62.	270	..	..	.1	Ci., (*W.*,) Cu	..	..	..
	16 15	23.6	769.75	30.187	72.4	60.4	....	.393	62.7	240	..	..	.6	Ci cu	..	..	..
	18 15	23.2	770 00	30.198	67.3	61.	....	.469	70.7	236	..	..	..		..	..	..
	20 15	22.2	770.75	30.232	60.	56.7	....	.432	79.2	278	..	..	.1		..	..	..
	22 15	21.8	770.80	30.237	58.	56.	55.8	.435	87.8	255	..	..	..	Ci. at Hor	..	..	..
16	0 15	20.9	770.75	30.240	55.4	53.1	53.	.389	88.	195	..	..	..	Clear	..	..	..
	2 15	19.9	770.35	30.229	54.7	52.8	52.2	.389	90.	193	..	..	.5	S.	..	..	..
	4 15	19.4	770.20	30.224	54.3	53.	52.6	.399	91.3	211	..	..	.2	Ci., S. around Hor.	..	..	..
	6 15	18.2	770.50	30.241	54.5	53.1	52.6	.399	93.	232	..	..	.8	Ci., S.	..	..	..
	8 15	18.3	770.85	30.255	61.2	58.2	....	.459	88.4	240	..	..	.8	Ci., S.	..	..	..
	10 15	20.1	770.80	30.245	68.1	59.6	....	.419	73.5	250	..	..	.9	Ci., Cu., Ci-s.	..	..	..
	12 15	21.2	770.25	30.218	69.	58.5	....	.378	67.5	285	.2	..	1.0	Ci., S., Ci-s.	..	..	..
	14 15	21.8	769.80	30.199	68.6	58.1	....	.371	68.	250	.1	..	1.0	Ci-cu., S.	..	..	..
	16 15	21.8	769.40	30.183	66.6	56.9	....	.361	69.	270	.1	..	1.0	Ci-cu , S.	..	..	..
	18 15	21.5	769.00	30.168	63.	59.	....	.460	77.	264	..	..	1.0	Ci cu., S.	..	..	..
	20 15	21.7	768.95	30.171	60.5	57.	....	.433	80.5	265	..	..	..	Clear	..	..	..
	22 15	20.1	768.60	30.159	57.	54.5	54.5	.406	88.5	220	..	..	..	Clear	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
17	0 15	19.1	768.25	30.151	56.6	54.8	79.2	.419	91.8	211	..	..	1.0	S., Ci-s., N.	..	..	..
	2 15	19.	767.25	30.112	56.6	54.5	....	.411	89.8	200	..	..	1.0	S., Ci s., N.	..	..	..
	4 15	18.8	766.90	30.099	57.	55.3	....	.428	90.6	191	..	..	1.0	Overcast, very dark	..	..	..
	6 15	17.8	766.75	30.100	57.5	55.7	....	.433	85.	214	..	..	1.0	Overcast, N., Cu	..	..	..
	8 15	18.2	766.65	30.092	58.8	57.4	....	.464	91.5	215	..	.01	1.0	S., Cu., N., raining	..	..	..
	10 15	18.3	766.80	30.098	59.8	58.5	....	.483	94.	210	..	.05	1.0	S., N., rain	..	..	..
	12 15	18.5	766.15	30.071	60.2	58.5	....	.479	93.	230	..	.[illegible]	1.0	Broken Cu., S., N., raining	..	..	..
	14 15	18.7	764.20	29.994	59.2	58.	....	.475	93.	225	.3	.12	1.0	N., S	..	247	..
	16 15	18.3	764.20	29.995	57.5	56.	....	.441	94.	240	.5	.10	1.0	N., S	..	247	..
	18 15	18.1	764.25	29.999	56.5	52.5	....	.396	93.2	211	.2	.19	1.0	N., S	..	247	..
	20 15	17.2	763.80	29.984	53.5	52.9	....	.405	94.	200	.7	.14	1.0	N., S	..	247	..
	22 15	17.	763.25	29.964	53.5	52.5	....	.396	94.	200	1.0	.03	1.0	N., S	..	247	..
18	0 15	16.4	762.75	29.948	54.1	52.5	....	.389	90.8	200	.5	..	.98	N., S	..	..	..
	2 15	16.2	762.00	29.919	53.7	51.5	57.	.368	90.	172	.2	..	.04	S.	..	..	..
	4 15	16.	762.25	29.929	53.6	52.2	52.2	.385	91..	174	..	..	..	Clear	..	..	..
	6 15	15.7	762.90	29.957	53.6	52.2	52.5	.386	92.	149	.1	..	..	Clear	..	..	..
	8 15	16.6	763.60	29.979	58.8	56.	95.	.426	86.5	170	..	..	..	Clear	..	..	..
	10 15	17.8	763.70	29.978	65.5	58.5	105.3	.419	75.4	160	.1	..	..	Clear	..	..	..
	12 15	19.2	763.50	29.963	70.6	61.5	....	.446	71.	210	.3	..	..	Clear	..	..	..
	14 15	20.5	763.30	29.948	73.1	64.6	....	.512	69.3	195	.6	..	..	Clear	..	..	..
	16 15	22.	763.90	29.966	73.	66.5	....	.574	75.	110	.2	..	.1	Cu	..	..	..
	18 15	22.	764.10	29.974	68.	63.5	....	.537	80.2	160	.1	..	..	Clear	..	..	..
	20 15	21.4	765.05	30.014	65.	61.	62.	.495	81.	160	.2	..	..	Clear	..	..	..
	22 15	21.1	765.20	30.021	63.5	59.	62.	.455	83.	160	.2	..	..	Clear	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
20	0	15*	20.3	765.95	30.055	58.	56.8	....	.456	93.	19	..	..	..	Clear	..	..	..
	2	15	19.4	765.60	30.015	56.2	55.5	52.6	.442	93.8	27	..	..	..	Clear	..	..	..
	4	15	19.2	765.90	30.058	55.2	55.	54.2	.440	94.	154	..	..	..	Clear	..	..	..
	6	15	18 8	766.30	30.075	55.5	55.2	....	.442	94.	160	..	..	1.0	Foggy	..	..	..
	8	15	18.3	766.70	30.094	59.	58.5	....	.492	93.6	335	..	..	1.0	Very dense fog	..	..	..
	10	15	18.8	767.00	30.102	62.1	61.	....	.529	91.3	290	..	..	1.0	Very dense fog	..	..	..
	12	15	19.2	766.50	30.082	65.2	63.	....	.553	88.	80	..	..	1.0	Very foggy	..	..	..
	14	15	20.	765.80	30.050	69.	65.5	....	.588	85.	20	..	..	.9	Cu., S	..	90	..
	16	15	21.2	765.65	30.039	69.3	65.	....	.568	83.	134	..	..	.8	Cu., Ci-cu	..	135	..
	18	15	21.	765.65	30.039	65.5	62.5	....	.534	87.8	135	..	..	..	Cu. at Hor	..	..	..
	20	15	20.7	766.30	30.067	61.1	59 5	58.5	.497	93.2	135	..	..	..	Clear	..	..	..
	22	15	20.	766.00	30.058	57.3	56.5	55.9	.456	94.	220	..	..	..	Clear	..	..	..
21	0	15	19.7	765.70	30.048	56.6	56.1	....	.453	94.	219	..	..	..	Clear, but hazy	..	..	..
	2	15	19.	765.55	30.045	55.6	55.3	....	.444	94.	209	..	..	.8	Thick fog	..	..	..
	4	15	18.9	765 35	30.037	57.4	57.2	....	.474	94.	199	..	..	1.0	Thick fog	..	..	..
	6	15	18.5	766.15	30.071	59 2	58.9	....	.501	94.	201	..	..	1.0	Fog	..	..	..
	8	15	18.8	766.50	30.083	61.6	61.	....	.534	93.5	220	..	..	1.0	Very dense fog	..	..	..
	10	15	19.1	766.20	30.070	64.3	62.8	....	.557	91.3	275	..	..	1.0	Very dense fog	..	..	..
	12	15	19.7	765.80	30.052	67.5	63.7	....	.548	85.2	280	..	..	.9	Cu., S	..	270	..
	14	15	21.	765 00	30.013	70.	65.	....	.560	80.5	70	..	..	.4	Cu., S	..	292	..
	16	15	22.3	764.15	29.974	72.	66.7	....	.593	79.9	20	..	..	.6	Cu., S	..	202	..
	18	15	22.	764.00	29.965	68.1	64.	....	.550	84.2	27	..	..	.1	Cu., Ci-cu	..	..	..
	20	15	21.	764.40	29.990	62.5	60.5	....	.509	90.	28	..	..	..	Clear	..	..	..
	22	15	18.7	763.70	29.974	60.8	59.	....	.486	91.5	25	..	..	..	Clear	..	..	..

* Thirty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 16ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
22	0 15	19.5	763.25	29.952	59.4	58.3	....	.482	94.	236	..	..	.4	Cu., S	..	..	..
	2 15	19.4	762.40	29.919	59.6	58.5	....	.486	94.	192	..	..	.7	Cu., S	..	..	..
	4 15	19.2	763.15	29.949	59.1	58.5	....	.491	94.2	184	..	..	.9	Cu., S	..	..	..
	6 15	19.	762.30	29.917	59.8	59.	....	.497	94.5	176	..	..	1.0	Cu., S	..	..	..
	8 15	19.	762.30	29.917	62.1	60.6	....	.517	91.5	195	..	..	1.0	Cu., S	..	..	..
	10 15	19.4	762.00	29.903	65.	61.	....	.496	85.3	250	..	..	1.0	Cu., S	..	..	..
	12 15	20.	761.00	29.861	65.5	60.5	....	.475	83.	270	..	..	1.0	Cu., S	..	..	..
	14 15	20.4	759.90	29.817	66.2	60.7	....	.473	80.2	270	..	..	1.0	Cu., S., Ci-s	..	..	..
	16 15	20.4	759.00	29.781	65.5	61.	....	.490	82.5	245	..	..	1.0	Cu., S., Ci-s	..	..	..
	18 15	20.6	758.80	29.772	63.6	60.	....	.482	86.	245	..	..	1.0	Cu., S., Ci-s	..	..	..
	20 15	21.	759.30	29.789	62.8	59.8	....	.486	87.	300	..	..	1.0	Ci-s. ?	..	..	..
	22 15	20.7	759.10	29.783	60.3	58.5	....	.478	90.5	310	..	..	.5	Ci-s. ?	..	..	..
23	0 15	20.3	758.95	29.780	60.	58 5	....	.481	87.	299	..	..	1.0	N. ?	..	..	..
	2 15	20.	758.55	29.765	59.5	57.7	....	.465	89.	212	..	..	1.0	Overcast	..	..	..
	4 15	19.8	758.35	29.759	60.2	58.2	....	.470	88.	289	..	..	1.0	Cu., S	..	..	..
	6 15	19.7	758.70	29.773	59.5	57.5	....	.458	91.5	240	..	..	.9	Cu., S., Ci.s	..	..	..
	8 15	19.8	758.65	29.771	65.2	62.	....	.523	87.	270	..	..	.4	Cu., Ci., S., Ci-cu	..	..	..
	10 15	20.6	758.50	29.760	68.1	64.5	....	.566	87.	290	.1	..	1.0	Cu., Ci-cu., Ci-s., showery	..	0	..
	12 15	21.	758.05	29.740	69.5	66.5	....	.614	88.5	290	..	.03	1.0	Cu., Ci-s., showery	..	315	..
	14 15	21.2	757.65	29.725	69.3	66.3	....	.610	88.	305	.2	..	1.0	Cu., N., Ci-s	..	315	..
	16 15	21.2	757.50	29.719	68.1	66.	....	.617	89.3	256	.3	..	1.0	Cu., N	..	..	..
	18 15	21.3	758.00	29.741	67.	66.4	....	.639	93.5	260	..	.01	1.0	N., raining	..	..	..
	20 15	21.3	758.25	29.747	66.6	66.	....	.631	93.5	270	..	.01	1.0	N	..	..	..
	22 15	21.2	758.25	29.748	68.	67.5	....	.664	93.*	270	..	..	1.0	N	..	..	..

* Registered 83.

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
24	0	15	21.3	758.35	29.751	68.3	67.8	....	.671	93.	260	..	..	1.0	N	..	..	..
	2	15	21.3	757.85	29.732	68.5	68.1	....	.679	93.5	261	..	..	1.0	N	..	..	..
	4	15	21.7	758.85	29.769	69.	68.8	....	.697	93.5	266	..	..	1.0	N., drizzling	..	..	..
	6	15	21.7	758.25	29.745	69.5	69.2	....	.705	93.5	272	..	..	1.0	Cu., S	..	..	..
	8	15	22.	758.80	29.766	71.2	70.7	....	.738	93.5	0	..	..	1.0	Cu., S	..	..	..
	10	15	22.3	759.20	29.779	73.3	72.3	....	.772	93.5	0	..	..	1.0	S , N	..	..	..
	12	15	23.2	758.00	29.727	77.7	75.	....	.824	88.5	315	..	.07	.9	Cu., Ci., Ci-s., S	..	0	..
	14	15	24.	757.10	29.688	76.2	72.5	....	.747	87.3	340	.5	.08	1.0	Cu., Ci-s., S	..	..	..
	16	15	24.3	757.20	29.691	73.8	70.6	....	.705	89.	350	.8	.01	1.0	Cu., N	..	..	..
	18	15	24.2	757.10	29.688	71.9	70.	....	.706	92.5	300	.2	..	1.0	Cu., N., raining	..	..	..
	20	15	23.7	756.90	29.683	70.5	69.9	....	.718	93.2	313	..	..	1.0	Cu., N., raining	..	..	..
	22	15	23.6	755.90	29.544	70.1	69.5	....	.708	94.	345	..	..	1.0	Cu., N., raining	..	..	..
25	0	15	23.7	755.70	29.636	70.4	69.7	....	.712	94.	330	..	..	1.0	Cu., N	..	..	..
	2	15	23.5	754.70	29.599	70.2	69.4	....	.704	93.5	320	..	..	1.0	N	..	..	..
	4	15	23.3	753.55	29.554	69.4	68.7	....	.689	93.5	295	.1	..	1.0	N., raining	..	..	..
	6	15	23.3	753.30	29.544	69.3	68.6	....	.687	93.5	27	..	..	1.0	Cu., N	..	..	..
	8	15	23.2	752.70	29.521	70.3	69.4	....	.703	93.2	25	..	..	.9	Cu., S	..	45	..
	10	15	23.8	752.00	29.506	74.5	71.	....	.712	86.5	35	..	..	.6	Cu., N., showery	..	45	..
	12	15	24.2	752.10	29.494	69.8	65.3	....	.570	85.	110	.9	..	.3	Cu	..	..	..
	14	15	24.3	753.00	29.527	71.	63.	....	.488	75.	110	2.2	..	.2	Cu	..	..	..
	16	15	25.	754.30	29.576	71.1	63.7	....	.508	72.8	110	1.6	..	.1	Cu	..	..	..
	18	15	23.5	756.40	29.663	67.	61.	....	.474	75.9	110	1.6	..	..	A few Ci-s	..	..	..
	20	15	22.8	758.35	29.744	62.5	58.8	....	.450	79.3	90	.4	..	..	A few Ci-s	..	..	..
	22	15	21.8	759.20	29.782	60.5	57.5	....	.447	86.	70	..	..	..		..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
27	0 15	19.9	763.20	29.947	59.6	53.5	....	.352	76.3	143	..	..	..	Clear	..	..	..
	2 15	19.3	763.20	29.951	56.5	52.3	....	.356	80.	150	..	..	..	Clear	..	..	..
	4 15	18.5	764.50	30.006	52.1	49.7	....	.343	85.	165	..	..	..	Clear	..	..	..
	6 15	16.4	764.75	30.027	51.	49.5	....	.350	86.8	33	..	..	..	Clear	..	..	..
	8 15	18.	765.75	30.058	58.6	53.8	....	.370	80.3	180	..	..	..	Clear	..	..	..
	10 15	19.	766.00	30.063	63.4	55.	....	.346	71.	220	..	..	..	Clear	..	..	..
	12 15	20.2	765.55	30.039	66.1	59.2	....	.430	72.	0	..	..	..	Clear	..	..	..
	14 15	21.2	764.85	30.007	68.9	60.7	....	.444	71.	30	..	..	..	Clear	..	..	..
	16 15	22.4	764.55	29.989	69.	62.7	....	.500	73.4	38	..	..	..	Clear	..	..	..
	18 15	21.8	764.60	29.995	62.5	58.3	....	.446	81.	20	..	..	..	Clear	..	..	..
	20 15	21.1	764.60	29.998	59.3	57.8	....	.469	89.8	0	..	..	..	Clear	..	..	..
	22 15	20.4	764.70	30.006	58.2	57.1	....	.463	92.	20	..	..	..	Ci-cu	..	..	..
28	0 15	20.	764.30	29.991	58.2	57.	....	.459	93.	2	..	..	.2	Ci., Cu	..	..	..
	2 15	19.5	763.40	29.958	57.5	56.8	....	.462	93.	332	..	..	1.0	Ci., Cu., S	..	..	..
	4 15	19.3	762.20	29.951	60.3	59.5	....	.506	91.	237	..	..	.8	Cu	..	..	..
	6 15	18.8	763.20	29.952	60.9	60.4	....	.524	87.	263	..	..	1.0	Cu., S	..	..	..
	8 15	19.6	763.00	29.941	66.	65.1	....	.609	87.3	0	..	..	1.0	Cu., S	..	..	..
	10 15	20.6	762.20	29.905	73.	70.	....	.693	85.	0	.2	..	.4	Ci., Cu s	..	135	..
	12 15	22.2	761.75	29.880	74.5	69.3	....	.652	81.3	40	.4	..	.7	Cu	..	..	..
	14 15	22.8	760.80	29.841	72.5	69.8	....	.691	84.1	50	.1	..	1.0	Cu., N	..	..	..
	16 15	23.7	760.00	29.805	75.3	69.6	....	.653	82.	359	..	..	1.0	Cu., Ci., Cu	..	..	..
	18 15	23.7	759.75	29.795	70.5	68.	....	.653	86.	340	.2	..	.7	Ci-cu., Ci-s	..	..	..
	20 15	23.4	760.00	29.806	68.	66.	....	.615	87.3	0	..	..	.1	Ci-cu., Ci-s	..	..	..
	22 15	22.9	759.70	29.797	68.	66.5	....	.631	88.5	0	..	..	1.0	Ci-cu., Ci-s	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
29	0 15	22.7	759.20	29.777	68.	66.1	....	.618	87.	0	..	..	1.0	Ci cu., Cu., S.	..	..	..
	2 15	22.4	758.65	29.757	67.	65.5	....	.611	87.3	25	..	..	1.0	Ci-cu., Cu., S.	..	..	..
	4 15	22.2	758.15	29.738	67.5	66.2	....	.627	88.	20	..	..	1.0	Ci-cu.	..	..	..
	6 15	22.	758.50	29.756	68.4	66.7	....	.634	84.	40	..	..	1.0	S., N.	..	..	..
	8 15	22.	758.30	29.748	68.6	67.6	....	.661	88.5	40	..	.02	1.0	Cu., Ci-cu., S., N.	..	..	..
	10 15	22.8	758.40	29.746	72.1	69.5	....	.686	87.	25	..	.01	1.0	Cu., Ci-cu., S., N.	..	..	..
	12 15	24.	757.70	29.712	75.5	70.	....	.665	80.	70	..	..	1.0	Cu., Ci-cu., S., N.	..	45	..
	14 15	24.4	756.70	29.671	75.7	71.	....	.698	81.	25	..	..	.8	Cu., Ci-cu., S., N.	..	..	..
	16 15	25.1	756.00	29.640	75.6	71.	....	.700	82.	0	..	..	.5	Ci., Cu.	..	..	..
	18 15	24.6	756.45	29.660	68.3	64.9	....	.577	86.2	145	.3	..	1.0	Cu.	..	..	..
	20 15	24.	756.55	29.666	63.5	62.	....	.542	90.8	125	.3	.19	1.0	N., Cu.	..	..	..
	22 15	22.9	757.25	29.701	61.5	59.9	....	.503	90.2	150	..	..	1.0	N., Cu., S.	..	..	.
30	0 15	22.2	757.25	29.703	59.5	56.8	....	.440	87.2	140	..	..	1.0	N., Cu., S.	..	..	..
	2 15	21.2	757.15	29.705	57.2	53.8	....	.387	85.	140	..	..	1.0	N., Cu., S	..	..	..
	4 15	20.3	757.35	29.717	55.5	52.4	....	.370	84.8	160	..	..	.8	Cu., Ci. and S.	..	..	..
	6 15	19.	758.00	29.748	52.5	49.5	....	.333	83.5	125	..	..	..	S. and Cu.	..	..	..
	8 15	18.	758.75	29.783	54.	50.	....	.327	81.5	135	.1	..	1.0	Cu.	..	135	..
	10 15	18.	759.10	29.796	55.5	50.	....	.310	77.	145	.3	..	.9	Cu.	..	135	..
	12 15	18.5	759.20	29.797	58.3	51.5	....	.316	73.	150	.5	..	.6	Cu.	..	135	..
	14 15	18.6	759.10	29.793	61.	52.5	....	.310	69.	145	.2	..	.4	Cu.	..	135	..
	16 15	19.4	759.90	29.821	61.3	53.	....	.319	65.4	115	.2	..	..	Cu.	..	..	..
	18 15	18.5	760.60	29.853	55.5	52.	....	.360	73.5	110	..	..	..	Cu.	..	..	..
	20 15	17.7	761 90	29.908	53.5	50.4	....	.344	82.5	170	..	..	.7	Cu.	..	..	..
	22 15	17.1	762.30	29.926	51.7	48.8	....	.325	84.	160	..	..	.2	Cu., Ci-cu.	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
1	0	15	16.5	763.00	29.957	49.7	47.	....	.306	84.	173	..	..	.1	Ci., Cu.	..	..	..
	2	15	15.8	763.35	29.973	46.3	44.3	42.2	.284	86.	159	..	..	..	Clear	..	..	..
	4	15	14.9	763.20	29.971	46.1	44.2	42.5	.284	87.8	142	..	..	..	Clear	..	..	..
	6	15	14.4	764.25	30.016	45.2	43.3	....	.275	88.	160	..	..	.1	S.	..	..	..
	8	15	14.6	765.35	30.058	49.3	45.8	....	.283	88.	185	..	..	..	Ci., S. to the *S*.	..	..	..
	10	15	15.5	765.65	30.066	54.	48.5	103.	.292	75.2	160	..	..	.1	Ci-s., Cu.	..	..	..
	12	15	16.9	765.70	30.061	57.2	49.	....	.268	68.	170	..	..	.4	Cu.	..	180	..
	14	15	18.	765.40	30.044	59.7	51.	....	.287	64.8	180	..	..	.5	Cu.	..	135	..
	16	15	18.7	766.00	30.065	58 8	51.5	....	.310	67.8	142	..	..	.9	Cu., Ci.	..	..	..
	18	15	18.3	767.00	30.105	53.4	50.	....	.234	75.1	142	..	..	.1	Cu., Ci.	..	..	..
	20	15	17.3	767.60	30 134	48.	46.4	50.7	.312	89.5	180	..	..	..	Clear	..	..	..
	22	15	16.5	767.85	30.149	47.	45.	40.8	.291	86.	180	..	..	..	Clear	..	..	..
2	0	15	15 3	768.35	30.174	45.6	43.5	38.7	.275	86.	212	..	..	.2	Ci., Cu., Ci., S.	..	..	..
	2	15	14.7	768.60	30.187	44.7	42.2	39.1	.257	85.5	205	..	..	..	Ci., S. in *S*.	..	..	..
	4	15	13.7	768.55	30.190	43.3	40.6	39.2	.239	85.	196	..	..	.2	Ci., S.	..	..	..
	6	15	13.	768.80	30.203	43.6	41.2	....	.249	84.	190	..	..	.9	Ci., Cu.	..	..	..
	8	15	13.1	769.40	30.226	47.8	44.4	....	.269	83.3	240	..	..	.7	Ci-cu., Ci-s	..	..	..
	10	15	14.4	769.30	30.214	54.3	48.9	....	.298	78.5	230	.2	..	.5	Ci., Cu., Ci-cu	..	..	..
	12	15	15.6	768.90	30.193	58.	50.6	....	.288	73.	235	.7	..	.8	Ci., Cu., Ci-cu	..	..	..
	14	15	16.1	768.75	30.185	55.2	48.3	....	.273	72.5	220	.8	..	1.0	Cu., Ci-cu	..	..	..
	16	15	15.9	767.75	30.147	52.5	47.5	....	.286	73.	235	.5	..	1.0	Cu., Ci-cu	..	..	..
	18	15	15.1	767.60	30.145	51.	46.5	....	.280	75.	225	.7	..	1.0	Cu., Ci-cu	..	..	..
	20	15	15.	767.30	30.133	49.6	44.6	....	.253	75.2	210	.3	..	..	?	..	..	..
	22	15	15.	766.40	30.098	49.5	44.3	....	.248	76.	210	.2	..	..	?	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
4	0	15	8.9	759.90	29.872	41.8	39.6	....	.236	88.	155	.5	..	.9	N., Cu., Ci.	..	..	..
	2	15	8.8	759.60	29.860	42.5	40.	....	.236	85.5	140	.2	..	1.0	Cu., S., N.	..	..	..
	4	15	8.9	759.55	29.858	43.8	41.5	....	.264	81.5	130	.5	..	1.0	S., Cu., few N.	..	..	..
	6	15	8.8	760.20	29.884	43.7	42.6	....	.277	81.5	125	.4	..	.6	Cu., Ci., Cu., S., Ci.	..	..	..
	8	15	9.5	760.70	29.901	46.	42.	....	.238	79.5	150	.3	..	.7	Ci., Cu., Ci-cu.	..	..	..
	10	15	10.	761.60	29.933	48.2	43.2	....	.239	76.	150	.6	..	1.0	Cu., Ci-cu., Ci-s.	..	..	..
	12	15	10.7	762.20	29.953	51.	44.5	....	.236	72.	150	.2	..	1.0	Cu., Ci-cu.	..	180	..
	14	15	12.	761.80	29.932	54.	46.	....	.235	66.	150	.8	..	.8	Ci., Ci cu., Cu.	..	..	..
	16	15	12.9	762.90	29.970	54.2	46.	....	.233	64.	150	.7	..	.3	Ci., Ci-cu., Cu.	..	..	..
	18	15	12.9	764.15	30.019	51.5	46.	....	.262	67.4	140	.3	..	.9	Ci., Ci-cu., Cu.	..	..	..
	20	15	13.2	765.00	30.050	48.	43.2	....	.240	70.7	180	..	..	..	Ci-s. at Hor.	..	..	..
	22	15	12.2	764.90	30.053	43.9	41.2	....	.245	79.5	155	..	..	..	Ci-s. at Hor.	..	..	..
5	0	15	11.7	764.45	30.037	42.6	40.	53.	.234	82.8	137	..	..	..	Clear.	..	..	..
	2	15	10.9	764.40	30.040	42.2	39.3	53.3	.225	82.9	135	..	..	..	Clear.	..	..	..
	4	15	10.7	764.90	30.060	41.4	38.7	54.	.222	81.	130	..	..	..	Clear.	..	..	..
	6	15	9.8	765.30	30.080	40.1	38.2	....	.226	85.	120	..	..	.4	Ci., Cu.	..	..	..
	8	15	10.	765.70	30.094	43.5	40.	....	.224	81.5	150	.1	..	.6	Ci., Ci-cu	..	..	..
	10	15	10.9	765.55	30.085	47.6	43.	....	.241	78.5	140	..	..	.9	Ci., Ci-cu., Cu.	..	..	..
	12	15	12.1	765.00	30.056	52.6	45.7	91.5	.243	72.	120	..	..	.3	Ci., Cu.	..	..	..
	14	15	13.7	764.25	30.020	56.6	48.1	86.	.253	66.5	160	..	..	.2	Ci., Cu.	..	..	..
	16	15	14.8	764.35	30.019	57.2	50.	....	.291	67.8	111	..	..	..	Cu.	..	..	..
	18	15	15.	764.55	30.025	51.3	48.5	....	.323	76.	85	..	..	..	Cu.	..	..	..
	20	15	15.	764.75	30.033	49.	45.4	41.8	.278	80.	165	..	..	..	Clear.	..	..	..
	22	15	13.5	764.95	30.048	43.4	42.5	40.8	.278	87.3	175	..	..	..	Clear.	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
6	0 15	12.8	764.75	30.044	42.1	41.2	39.4	.266	90.5	174	..	..	.3	Cu., Cu-s	..	..	..
	2 15	12.	764.65	30.044	42.	40.9	40.	.261	91.	162	..	..	.2	Cu., Ci-cu., Ci s	..	..	..
	4 15	11.7	764.80	30.051	41.	39.9	37.5	.262	90.5	155	..	..	.4	Ci	..	..	..
	6 15	10.9	765.15	30.069	40.	38.3	....	.230	89.5	146	..	.	.3	Ci., S., Cu	..	..	..
	8 15	11.5	765.50	30.080	45.5	41.5	....	.233	81.	150	..	..	.1	Ci	..	..	..
	10 15	12.5	765.20	30.063	52.2	45.2	93.	.237	73.	150	.1	..	.05	Ci., Cu	..	..	..
	12 15	13.8	764.30	30.021	55.8	49.	85.	.284	71.6	150	.1	..	.4	Cu	..	157	..
	14 15	15.	763.45	29.981	57.8	49.8	96.	.284	68.	110	.2	..	.3	Cu	..	..	..
	16 15	15.5	763.80	29.992	57.3	47.5	....	.231	63.5	170	.2	..	.1	Cu	..	..	..
	18 15	15.6	764.40	30.016	52.	46.5	....	.268	67.6	145	.1	..	..	A few Ci s	..	..	..
	20 15	15.	764.40	30.019	43.2	41.5	37.7	.260	85.5	145	..	..	..	Clear	..	..	..
	22 15	13.2	764.35	30.025	45.	42.	40.	.257	81.5	150	..	..	..	Clear	..	..	..
7	0 15	12.7	763.80	30.006	43.	40.5	37.7	.241	83.8	160	..	..	..	Clear	..	..	..
	2 15	12.	763.70	30.006	42.5	40.5	38.4	.246	83.2	135	..	..	..	Clear	..	..	..
	4 15	11.9	763.80	30.010	41.4	39.9	37.0	.246	84.6	128	..	..	..	Clear	..	..	..
	6 15	10.8	764.10	30.028	39.5	37.6	....	.221	87.	155	..	..	.2	S., Ci	..	..	..
	8 15	11.7	763.35	29.993	48.1	....	....	....	79.4	147	..	..	.5	Ci-cu., S	..	135	..
	10 15	12.7	763.60	29.999	53.5	49.	....	.311	79.	45	..	..	1.0	Ci-cu., S	..	..	..
	12 15	13.9	762.20	29.938	57.1	49.7	96.	.287	70.	10	..	..	.1	Very light Ci	..	..	..
	14 15	15.4	760.70	29.873	59.5	51.7	84.	.309	70.	0	..	..	.4	Very light Ci	..	..	..
	16 15	16.5	760.00	29.840	59.1	52.6	....	.225	73.	0	..	..	.6	Ci	..	..	..
	18 15	16.1	759.70	29.829	54.2	50.7	....	.342	80.1	34	..	..	.6	Ci-cu., Ci., Ci-s	..	..	..
	20 15	16.	760.30	29.853	53.8	52.	....	.380	88.	10	..	..	1.0	N., raining	..	..	..
	22 15	16.2	759.50	29.821	52.8	51.5	....	.378	92.	350	..	.01	1.0	N.?	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
8	0	15	15.7	759.30	29.815	51.3	49.6	....	.349	94.2	352	..	..	.3	Cu., Ci-s.	..	..	..
	2	15	15.2	759.00	29.805	53.	51.4	....	.374	94.9	48	..	..	.7	Cu-s., S.	..	..	..
	4	15	15.	758.55	29.789	52.4	51.5	....	.383	94.8	42	..	..	1.0	Overcast.	..	..	..
	6	15	14.8	759.30	29.820	53.1	52.7	....	.405	94.4	15	..	..	1.0	Foggy.	..	..	..
	8	15	15.	759.00	29.806	54.7	53.5	....	.408	94.	90	..	..	1.0	S., Ci-s., Cu. broken.	..	..	..
	10	15	15.5	758.50	29.784	57.4	56.2	....	.448	91.5	25	..	..	1.0	S., Ci-s., Cu. broken.	..	..	..
	12	15	16.1	758.00	29.762	60.	57.2	....	.445	86.	25	..	..	1.0	Broken Cu., Ci-s.	..	90	..
	14	15	16.2	757.50	29.743	58.	56.6	....	.451	87.	70	..	..	1.0	Cu., N.	..	112	..
	16	15	17.	757.00	29.720	58.5	56.2	....	.435	87.	50	..	.02	1.0	Cu., N.	..	..	..
	18	15	16.8	757.35	29.734	53.4	52.3	....	.392	93.	10	..	..	.3	Cu., Ci-s.	..	..	..
	20	15	16.2	757.50	29.743	53.	52.5	....	.402	93.5	10	..	..	1.0	Very dark	..	..	..
	22	15	15.9	757.90	29.760	52.5	52.	....	.394	94.	70	..	..	1.0	Cu., N.	..	..	..
9	0	15	15.4	758.00	29.766	53.1	52.6	....	.402	93.5	73	..	..	1.0	Cu., S., N., foggy	..	..	..
	2	15	15.2	757.20	29.735	54.9	51.2	....	.348	82.	115	..	..	1.0	Cu , Cu-s., S.	..	..	..
	4	15	14.9	757.80	29.761	52.2	50.	57.4	.348	88.4	150	..	..	.1	Cu.	..	..	..
	6	15	14.8	759.35	29.822	47.7	46.8	....	.324	92.	71	..	..	..	Clear	..	..	..
	8	15	15.3	759.85	29.839	56.2	51.5	93.	.340	79.5	120	..	..	..	Clear	..	..	..
	10	15	16.8	760.00	29.838	59.9	52.6	103.	.362	72.5	95	..	..	..	Clear	..	..	..
	12	15	18.	759.40	29.808	62.5	52.8	96.	.302	66.	70	.3	..	.1	Cu.	..	..	..
	14	15	18.9	759.15	29.793	64.5	53.5	....	.398	63.8	95	.2	..	.3	Cu.	..	..	..
	16	15	18.9	759.75	29.817	60.8	51.7	....	.294	66.	100	.1	..	..	Cu.	..	..	..
	18	15	17.7	761.00	29.872	57.	51.	....	.319	71.7	155	..	..	..	Cu.	..	..	..
	20	15	16.1	761.85	29.914	50.2	48.	....	.324	86.	182	..	..	..	Steady streaks like sunbeams	..	..	..
	22	15	15.	762.40	29.940	46.	44.5	45.	.292	91.2	335	..	..	..	Clear	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
11	0	15	13.2	765.80	30.082	41.1	40.2	....	.256	93.5	55	..	..	..	Clear	..	..	..
	2	15	12 6	765.25	30.065	39.7	39.5	....	.258	93.	148	..	..	..	Clear	..	..	..
	4	15	11 8	765.90	30.093	38.9	38.5	....	.247	94.2	167	..	..	..	Clear	..	..	..
	6	15	10.4	.....	30.116	37.1	37.1	....	.239	94.3	145	..	..	.2	Foggy, Cu	..	..	..
	8	15	10.2	765.50	30.085	46.6	46.3	....	.326	93.	3	..	..	.2	Ci., S	..	..	..
	10	15	12.6	765.40	30.071	55.6	52.2	88.	.364	83.	40	..	..	.2	Cu	..	..	..
	12	15	14.8	764.00	30.005	61.8	54.5	91.3	.353	72.	15	.6	..	.2	Slight Ci., Ci-cu. in *NW.*	..	..	..
	14	15	15.9	762.40	29.936	62.8	55.1	74.	.358	71.	0	.8	..	.8	Slight Ci., Ci-cu	..	..	..
	16	15	16.6	762.50	29.936	60.5	55.	....	.380	75.6	350	.3	..	1.0	Slight Ci., Ci-s. in *NW.*	..	..	..
	18	15	16.3	761.75	29.909	57.5	54.5	....	.401	84.3	350	.2	..	1.0	Questionable	..	..	..
	20	15	16.1	761.35	29.894	56.4	54.	....	.401	88.5	0	..	..	1.0	Questionable, very dark	..	..	..
	22	15	16.	760.25	29.851	56.	54.	....	.406	90.8	350	..	..	1.0	Questionable, very dark	..	..	..
12	0	15	16.	758.90	29.799	56.3	55.1	....	.431	91.7	6	..	.01	1.0	N	..	..	..
	2	15	16.	757.75	29.754	56.8	55.6	....	.438	91.6	7	..	..	1.0	N., Cu s., very dark	..	..	..
	4	15	16.5	758.00	29.761	56.7	56.1	....	.452	93.5	7	..	.05	1.0	N., raining	..	..	..
	6	15	16.3	757.80	29.754	57.5	57.3	....	.476	93.6	7	..	.12	1.0	N., raining	..	..	..
	8	15	16.2	757.70	29.751	58.9	58.5	....	.494	93.	10	..	.13	1.0	N., S., raining	..	..	..
	10	15	16.9	757.00	29.719	61.3	60.8	....	.531	93.	15	..	.02	1.0	N., S., raining	..	..	..
	12	15	17.4	756.25	29.686	62.2	61.2	....	.533	92.	135	..	.01	1.0	S., N	..	90	..
	14	15	17.7	756.15	29.681	62.6	60.7	....	.515	90.	125	..	..	1.0	Cu., N	..	112	..
	16	15	18.4	756.40	29.688	63.2	61.	....	.505	90.	135	..	..	1.0	Cu., N	..	112	..
	18	15	18.3	757.25	29.722	61.9	61.2	....	.536	93.5	135	..	..	1.0	Cu., N	..	112	..
	20	15	18.5	758.10	29.754	60.	57.	....	.439	86.	145	..	..	1.0	Cu., N	..	112	..
	22	15	18.	758.75	29.783	56.5	51.	....	.313	76.8	155	..	..	1.0	Cu., N	..	112	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
13	0 15	17.2	758.85	29.790	54.2	49.5	....	.314	78.	164	.2	..	.8	Cu., Cu-s.	..	112	..
	2 15	16.4	759.00	29.800	51.4	46.9	....	.286	76.5	190	.1	..	.7	S., Cu-s., dark	..	112	..
	4 15	15.5	759.75	29.833	50.1	46.2	....	.284	79.	170	..	..	.9	Cu. and S.	..	..	..
	6 15	15.3	761.00	29.884	48.7	45.	....	.273	80.5	155	..	..	.6	Cu., S., Ci., Ci-cu.	..	..	..
	8 15	15.5	761.90	29.918	50.6	46.	....	.275	78.	170	.1	..	..	A few small Cu.	..	..	..
	10 15	16.1	762.65	29.945	52.6	44.8	86.3	.225	69.	180	.5	..	.2	Cu.	..	..	..
	12 15	16.4	762.25	29.928	53.8	46.3	....	.245	69.	160	.3	...	.7	Cu.	..	..	..
	14 15	16.3	762.20	29.926	55.5	46.5	....	.230	65.3	160	.1	..	.6	Cu.	..	..	..
	16 15	17.1	762.65	29.940	54.	46.5	....	.236	65.	145	.1	..	.1	Cu.	..	..	..
	18 15	16.	762.65	29.984	51.	45.2	....	.252	67.3	125	..	..	1.0	Cu., Ci-cu.	..	..	..
	20 15	15.3	764.30	30.014	48.5	43.5	....	.242	70.8	155	.1	..	.3	Cu.	..	..	..
	22 15	15.	765.20	30.050	47.4	44.5	....	.276	72.	145	..	..	.3	Cu.	..	..	..
14	0 15	14.	764.15	30.014	43.3	39.4	....	.215	74.8	143	..	..	..	A few detached Cu. in *SE*.	..	..	..
	2 15	12.9	765.00	30.053	41.	38.3	....	.218	80.2	144	..	..	..	A few small Cu. in Hor.	..	..	..
	4 15	12.2	765.05	30.058	39.9	38.5	....	.235	80.5	140	..	..	.5	Cu. and S.	..	..	..
	6 15	10.9	765.55	30.085	39.8	36.7	....	.200	80.	138	..	..	.5	S., Cu.	..	..	..
	8 15	11.2	766.30	30.113	43.7	39.6	....	.214	77.6	135	.2	..	..	Clear	..	..	.
	10 15	12.	766.30	30.109	49.	43.	79.	.225	73.	135	.3	..	..	A few small Cu.	..	..	..
	12 15	13.2	765.60	30.074	52.6	44.6	86.	.219	68.	135	.5	..	.4	Cu.	..	..	..
	14 15	14.	765.30	30 059	54.	44.7	81.	.205	64.	130	1.2	..	.3	Cu.	..	..	..
	16 15	14.9	765.20	30.050	53.4	45.3	75.	.226	66.	130	.8	..	.1	Cu.	..	..	..
	18 15	14.2	765.35	30.061	48.5	44.4	....	.273	72.8	105	..	..	.1	A few Ci.	..	..	..
	20 15	13.4	765.65	30.076	43.5	41.5	....	.256	84.2	48	..	..	..	Clear	..	..	..
	22 15	13.	765.40	30.068	42.5	40.	35.5	.236	87.	45	..	..	.3	Cu.	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
15	0 15	12.1	765.20	30.064	42.7	41.	40.	.255	87.8	45	..	..	.1	Cu.	..	..	..
	2 15	11.8	765.00	30.057	41.	39.7	47.8	.247	90.4	42	..	..	..	A few Cu.	..	..	..
	4 15	11.2	764.90	30.058	40.6	39.1	35.9	.239	89.3	47	..	..	..	Clear.	..	..	..
	6 15	10.4	764.60	30.050	41.5	41.2	....	.273	82.	38	..	..	.4	Cu., Ci., Cu-s.	..	..	..
	8 15	11.	763.40	29.998	45.8	43.7	....	.278	88.3	40	..	..	.8	Ci., Ci-cu.	..	..	..
	10 15	12.	762.70	29.967	53.	46.5	....	.258	72.5	45	.5	..	.7	Ci-cu	..	..	..
	12 15	14.	760.30	29.863	57.5	48.7	82.	.258	66.5	40	2.3	..	.1	Ci-cu.	..	..	..
	14 15	14.9	759.10	29.811	59.2	49.1	83.	.249	62.	50	3.5	..	..	Clear.	..	..	..
	16 15	15.9	758.60	29.787	58.4	49.9	....	.277	66.	37	2.3	..	..	Ci-cu., Ci-s.	..	112	..
	18 15	15.9	758.75	29.793	55.8	50.5	....	.321	70.2	30	.2	..	..	Doubtful	..	..	..
	20 15	15.2	759.00	29.805	55.	51.4	....	.352	75.	57	..	..	..	Doubtful	..	..	..
	22 15	15.	759.30	29.818	53.5	50.4	....	.344	81.	20	..	..	..	Doubtful, very dark.	..	..	..
16	0 15	14.8	759.50	29.828	53.6	50.	....	.333	78.8	30	..	..	.8	Doubtful	..	..	..
	2 15	14.7	759.60	29.832	53.7	48.7	....	.301	76.2	76	..	..	1.0	N., raining	..	..	..
	4 15	14.8	760.80	29.880	51.6	49.3	....	.339	85.	148	..	..	1.0	Very dark, N., raining	..	..	..
	6 15	....	.....	.....	....	....	....	....	....	50	..	.05	..	.....	..	..	..
	8 15	14.1	762.20	29.937	50.5	47.7	....	.314	85.	140	..	..	1.0	Cu., Ci-cu., Ci-s.	..	90	..
	10 15	14.	762.40	29.945	51.	46.2	....	.274	78.	140	..	..	1.0	Ci-cu., Ci-s	..	90	..
	12 15	14.	762.50	29.949	52.	46.	....	.259	73.	140	..	..	1.0	Cu., Ci-cu., Ci-s.	..	90	..
	14 15	14.8	762.65	29.952	52.4	46.6	....	.267	73.3	120	..	..	1.0	Cu., Ci-s	..	..	..
	16 15	14.2	763.15	29.974	50.5	44.8	....	.248	73.	180	..	..	1.0	Cu., Ci-s	..	..	..
	18 15	13.7	764.00	30.010	48.	44.2	....	.263	77.3	165	..	..	1.0	Cu.	..	..	..
	20 15	13.	764.80	30.045	44.5	40.	....	.214	74.	200	..	..	.3	?	..	..	..
	22 15	12.2	765.30	30.068	40.5	37.	36.	.199	77.	190	..	..	.3	?	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
18	0 15	10.	766.35	30.120	38.4	35.4	39.5	.191	80.9	153	..	..	..	Clear	..	..	..
	2 15	9.4	766.25	30.119	37.2	34.6	35.7	.189	83.8	157	..	..	..	A few Cu. in *N.*	..	..	..
	4 15	8.9	766.00	30.112	36.7	34.2	35.	.187	84.3	159	..	..	..	Clear	..	..	..
	6 15	8.1	766.50	30.136	36.1	33.8	....	.186	85.2	147	..	..	..	Clear	..	..	..
	8 15	9.	767.15	30.151	40.5	37.2	74.2	.202	81.2	145	..	..	..	Clear	..	..	..
	10 15	9.7	767.00	30.147	45.5	40.5	82.5	.212	76.2	145	.2	..	..	Clear	..	..	..
	12 15	11.	766.50	30.121	48.5	41.2	89.	.193	69.	180	.4	..	.2	Cu.	..	..	..
	14 15	12.	766.30	30.097	50.5	41.3	81.	.172	62.5	150	.2	..	.4	Cu.	..	..	..
	16 15	12.9	766.25	30.103	48.5	42.7	64.8	.224	65.2	135	.3	..	..	Cu.	..	..	..
	18 15	12.	766.75	30.127	42.5	39.9	....	.233	72.5	145	..	..	..	Clear	..	..	..
	20 15	11.	766.65	30.127	40.5	36.5	....	.188	75.8	145	..	..	..	Clear	..	..	..
	22 15	10.2	766.70	30.133	38.4	35.	34.5	.183	79.2	145	..	..	..	Clear	..	..	..
19	0 15	9.6	766.35	30.122	37.	35.	32.9	.199	81.	145	..	..	..	Clear	..	..	..
	2 15	8.9	765.90	30.108	34.5	33.	30.2	.190	85.2	145	..	..	..	Clear	..	..	..
	4 15	8.4	765.75	30.104	33.3	32.	28.8	.184	86.	136	..	..	..	Clear	..	..	..
	6 15	7.6	764.90	30.076	33.9	32.	....	.177	85.3	136	..	..	.4	Ci-cu., Cu-s.	..	..	..
	8 15	7.5	765.00	30.079	38.7	36.4	....	.207	83.	136	..	..	1.0	Cu., Ci-s.	..	..	..
	10 15	8.2	764.10	30 039	43.8	38.7	....	.195	76.	140	..	..	1.0	Ci-cu., Ci-s	..	..	..
	12 15	9.7	762.80	29.982	49.5	44.2	....	.247	74.	20	..	..	.9	Ci., Ci-cu.	..	90	..
	14 15	10.2	761.75	29.938	49.4	43.2	....	.226	71.5	50	..	..	..	Ci-cu., Ci-s.	..	..	..
	16 15	10.5	760.60	29.892	48.3	42.5	....	.223	73.	50	..	..	1.0	Ci-cu., Ci-s.	..	..	..
	18 15	10.7	760.15	29.873	46.5	43.8	....	.272	77.9	50	..	..	1.0	Ci-cu., Ci-s.	..	..	..
	20 15	10.9	759.30	29.839	45.2	42.5	....	.258	83.	10	..	..	1.0	Cu. ?	..	..	..
	22 15	10.6	758.30	29.801	45.2	43.4	....	.278	86.	30	..	..	1.0	Cu., ? N	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
20	0 15	9.2	756.40	29.733	43.8	43.2	....	.288	94.5	5	..	..	1.0	Very dark, N., raining	..	..	..
	2 15	9.2	754.15	29.645	43.5	43.	....	.288	94.6	256	..	..	1.0	Very dark, N., raining	..	..	..
	4 15	10.2	753.00	29.593	44.3	44.	....	.301	94.	192	..	..	1.0	N., raining, very dark	..	..	..
	6 15	10.4	752.40	29.570	44.5	44.5	....	.309	93.4	192	..	..	1.0	N., raining, very dark	..	..	..
	8 15	10.7	751.35	29.526	46.8	46.2	....	.321	92.2	34	..	..	.9	Cu., N., raining	..	..	..
	10 15	....	.....	.....	....	....	....	....	....	124	.1	..	..		..	..	..
	12 15	....	.....	.....	....	....	....	....	....	100	.2	..	..		..	..	..
	14 15	14.9	748.35	29.387	54.	49.3	....	.312	73.2	104	.2	..	.9	Cu	..	..	..
	16 15	....	.....	.....	....	....	....	....	....	90	.5	..	..		..	..	..
	18 15	....	.....	.....	....	....	....	....	....	100	..	..	..		..	..	..
	20 15	14.	749.10	29.421	47.7	43.3	46.9	.249	77.	100	.2	..	..	Clear	..	..	..
	22 15	13.3	748.85	29.415	42.8	40.8	39.8	.250	86.	50	..	..	..	Clear	..	..	..
21	0 15	12.8	747.90	29.382	42.5	40.6	39.8	.249	87.	65	..	..	.3	Cu-s.	..	..	..
	2 15	11.8	747.60	29.374	43.5	41.2	....	.251	85.	65	.1	..	1.0	Overcast	..	..	..
	4 15	12.5	747.50	29.368	44.2	41.9	....	.257	87.	52	..	..	1.0	Overcast	..	..	..
	6 15	12.7	747.90	29.382	44.8	42.3	....	.259	83.5	34	..	..	.9	S., Cu	..	..	..
	8 15	12.5	748.30	29.399	48.2	45.	....	.279	82.5	110	..	..	.3	Cu , Ci-cu	..	112	..
	10 15	13.7	748.35	29.395	50.6	43.1	....	.211	69.3	115	1.0	..	.3	Cu	..	135	..
	12 15	14.	748.35	29.393	51.6	42.6	....	.190	63.	120	2.0	..	.8	Cu	..	135	..
	14 15	14.5	748.10	29.381	52.5	46.	....	.254	65.	117	2.2	..	.6	Cu	..	157	..
	16 15	14.7	748.70	29.404	50.5	43.5	....	.222	67.	100	1.8	..	1.0	Cu., Ci-cu	..	..	..
	18 15	14.	749.60	29.442	49.	46.	....	.293	70.	120	.1	..	1.0	Cu	..	..	..
	20 15	13.3	750.55	29.483	47.5	42.5	....	.233	69.5	105	.2	..	1.0	Overcast	..	..	..
	22 15	12.9	750.60	29.488	45.	41.5	....	.240	77.5	90	2.1	..	1.0	Overcast	..	..	..

Date.		Barometer.			Thermometers, Fah.					Wind.					Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, &c.	1.	2.	3.
	h. m.																
22	0 15	12.1	750.25	29.478	43.3	40.5	....	.238	80.	85	.1	..	.3	Stratus ?	..	..	..
	2 15	11.5	749.90	29.467	43.	40.	....	.230	83.	75	..	..	.3	Cu. and S.?	..	..	..
	4 15	11.6	750.15	29.475	41.3	39.2	41.	.234	86.	73	..	..	.3	Cu. and S.?	..	..	..
	6 15	10.8	750.55	29.496	40.4	38.3	....	.226	87.5	96	..	..	..	.....	..	..	..
	8 15	11.3	751.50	29.530	44.	40.5	70.	.230	84.5	120	..	..	.1	Cu. and Ci. in Hor.	..	..	..
	10 15	12.1	751.80	29.537	46.8	41.1	....	.211	77.	135	.8	..	.7	Cu., Ci	..	135	..
	12 15	12.7	751.60	29.527	47.7	42.2	....	.223	75.5	110	.3	..	.8	Cu.	..	112	..
	14 15	13.	752.00	29.542	49.3	44.	....	.245	73.	105	.2	..	1.0	Cu.	..	112	..
	16 15	12.8	752.85	29.577	47.9	41.4	....	.205	71.	135	.1	..	1.0	Cu	..	112	..
	18 15	12.2	754.30	29.637	45.8	42.	....	.240	74.2	145	..	..	1.0	Cu.	..	112	..
	20 15	12.	755.00	29.665	43.2	40.4	....	.237	80.2	128	..	..	1.0	Cu.	..	112	..
	22 15	11.4	755.60	29.692	42.9	38.9	....	.209	78.	135	..	..	1.0	Cu.	..	112	..
23	0 15	10.4	755.95	29.710	39.4	37.3	....	.217	85.	131	..	..	.3	S., Cu.	..	..	..
	2 15	10.2	756.10	29.715	40.5	38.	....	.218	85.	90	..	..	1.0	Cu. and S.	..	..	..
	4 15	9.9	756.40	29.728	40.2	38.	....	.221	85.9	95	..	..	.8	Cu.	..	..	..
	6 15	9.4	756.80	29.747	40.4	38.3	....	.226	86.5	69	..	..	1.0	Cu., S.	..	..	..
	8 15	9.5	757.25	29.765	41.6	39.2	....	.230	86.7	78	..	..	1.0	Cu.	..	..	..
	10 15	10.3	757.15	29.757	47.	42.5	....	.238	80.	90	..	..	.8	Ci., Cu.	..	..	..
	12 15	11.2	756.30	29.719	48.	42.	....	.216	75.5	90	.2	..	.8	Ci., Cu., Ci-cu., N.	..	90	..
	14 15	12.5	755.70	29.690	49.7	42.7	....	.212	68.7	90	.6	..	.9	Ci., Cu., Ci-cu., N.	..	90	..
	16 15	12.4	755.10	29.666	48.3	43.	....	.234	71.2	75	..	..	.7	Ci., Cu., Ci-cu., N.	..	90	..
	18 15	12.1	755.50	29.683	45.	41.	....	.229	78.2	37	..	..	1.0	Ci., Cu., Ci-cu., N.	..	90	..
	20 15	11.7	755.85	29.699	45	41.5	....	.240	80.8	10	..	..	1.0	Cu., Ci cu.	..	..	..
	22 15	12.2	755.50	29.683	43.2	40.5	....	.239	84.2	10	..	..	..	Ci-s. at Hor.	.	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
25	0	15	8.8	760.50	29.896	36.6	33.5	....	.175	78.5	111	..	..	.7	Cu., Ci., S.	..	..	..
	2	15	8.2	760.35	29.892	35.	30.9	....	.151	74.4	104	.2	..	.3	Ci., S.	..	..	..
	4	15	7.8	761.45	29.938	33.2	29.7	30.5	.149	76.5	110	.1	..	..	Clear	..	..	..
	6	15	6.9	763.00	30.003	32.8	30.3	....	.163	76.3	124	.2	..	..	Clear	..	..	..
	8	15	7.1	764.80	30.073	36.6	30.5	60.	.127	70.5	140	1.2	..	.1	Small Cu.	..	157	..
	10	15	7.1	765.40	30.096	36.1	30.1	61.5	.125	68.	150	2.5	..	.4	Cu.	..	157	..
	12	15	7.9	765.30	30.089	39.	31.5	65.	.120	61.3	140	2.5	..	.3	Cu.	..	..	..
	14	15	8.3	765.40	30.090	39.	33.7	....	.152	61.	140	3.0	..	.3	Cu.	..	..	..
	16	15	7.9	766.00	30.117	39.	34.2	....	.160	59.9	135	2.1	..	..	Cu.	..	..	..
	18	15	7.5	766.85	30.153	36.3	32.9	....	.167	66.2	115	.4	..	..	Two Cu.	..	..	..
	20	15	7.	767.60	30.185	33.8	30.9	....	.163	71.	120	..	..	..	Clear	..	..	..
	22	15	6.5	768.00	30.203	31.9	29.	27.	.150	76.	90	..	..	..	Clear	..	..	..
26	0	15	5.8	767.85	30.200	30.4	28.4	24.2	.155	76.2	87	..	..	..	Clear	..	..	..
	2	15	5.2	767.15	30.174	27.	26.2	22.	.153	79.8	74	..	..	..	Clear	..	..	..
	4	15	4.8	766.80	30.164	27.3	....	22.5	....	87.9	74	..	..	..	Clear	..	..	..
	6	15	3.8	766.50	30.156	28.	....	....	....	89.5	47	..	..	.3	S.	..	..	..
	8	15	4.7	765.80	30.124	33.7	31.4	54.	.172	86.	45	..	..	..	Clear	..	..	..
	10	15	5.9	764.70	30.076	42.3	36.1	72.5	.159	70.	60	1.7	..	..	Clear	..	..	..
	12	15	8.	762.50	29.978	47.6	39.6	78.	.170	64.	40	2.8	..	..	Clear	..	..	..
	14	15	9.	761.15	29.920	50.	41.	67.	.171	61.	40	3.0	..	..	Haze in Hor.	..	..	..
	16	15	10.	760.50	29.890	50.5	41.3	60.	.172	61.	40	3.0	..	..	Clear	..	..	..
	18	15	10.	760.75	29.900	44.5	41.	....	.223	70.7	30	1.0	..	..	Clear	..	..	..
	20	15	10.	761.35	29.923	45.	41.5	42.	.228	71.8	40	..	..	..	Clear	..	..	..
	22	15	9.5	762.00	29.951	43.	40.	38.8	.230	76.	40	..	..	..	Clear	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
27	0 15	9.	762.85	29.987	41.5	38.4	37.8	.215	78.9	47	..	..	..	Clear	..	..	..
	2 15	9.	763.20	30.000	38.1	35.6	30.	.198	79.5	47	..	..	..	Clear	..	..	..
	4 15	8.5	764.40	30.050	35.7	34.8	34.2	.210	91.2	47	..	..	..	Clear	..	..	..
	6 15	7.9	765.20	30.085	34.3	33.4	....	.200	91.2	47	..	..	1.0	Foggy	..	..	..
	8 15	7.9	766.30	30.129	37.5	35.1	65.	.195	82.5	47	..	..	..	Fog clearing off	..	..	..
	10 15	8.8	766.60	30.136	52.	44.	76.6	.213	66.5	150	..	..	..	Very hazy, Ci s.	..	..	..
	12 15	10.5	766.25	30.114	55.3	46.	86.	.220	64.	115	..	..	..	Very hazy	..	..	..
	14 15	12.	766.00	30.097	57.5	46.8	83.	.212	61.3	110	..	..	..	Very hazy	..	..	..
	16 15	14.	767.00	30.026	....	....	66.4	....	....	125	..	..	..	Very hazy	..	..	..
	18 15	13.2	768.00	30.069	47.	43.4	....	.257	72.2	170	..	..	..	Very hazy	..	..	..
	20 15	12.6	769.00	30.213	42.5	40.	35.5	.236	83.	180	..	..	..	Very hazy	..	..	..
	22 15	11.5	769.70	30.245	43.8	40.	38.	.221	74.7	245	..	..	..	Clear	..	..	..
28	0 15	10.2	770.50	30.282	40.6	36.1	36.4	.179	74.9	220	..	..	..	Clear	..	..	..
	2 15	9.8	771.00	30.304	38.9	34.6	35.8	.170	75.7	220	..	..	..	Clear	..	..	..
	4 15	9.3	771.25	30.316	36.6	32.8	33.	.162	77.	243	..	..	..	Clear	..	..	..
	6 15	8.7	772.25	30.358	34.9	32.	....	.166	77.	240	..	..	..	Clear	..	..	..
	8 15	8.5	773.10	30.393	38.6	35.2	....	.184	76.2	240	..	..	.3	Ci-s., Ci-cu	..	..	..
	10 15	8.9	773.50	30.408	43.5	38.6	73.	.196	76.5	250	.1	..	.2	Ci-s.	..	..	..
	12 15	10.1	773.30	30.393	47.	41.5	75.	.216	76.5	255	.1	..	..	Haze in Hor., Ci-s.	..	..	..
	14 15	11.	772.60	30.361	50.5	44.6	70.	.243	76.	245	.1	..	.1	Hazy, small Cu. in Hor.	..	..	..
	16 15	11.2	772.50	30.356	49.5	45.5	....	.274	79.	270	..	..	..	Hazy	..	..	..
	18 15	11.3	773.00	30.375	44.5	42.8	....	.272	88.8	265	..	..	..	Ci	..	..	..
	20 15	9.9	773.00	30.382	43.6	42.	....	.265	90.	237	..	..	1.0	Cu	..	67	..
	22 15	11.	773.00	30.377	44.8	43.5	....	.284	91.2	200	..	..	..	Cu	..	247	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
29	0	15	10.9	772.60	30.362	45.	43.5	45.	.282	90.9	239	..	..	1.0	Cu.	..	..	..
	2	15	10.9	772.45	30.356	44.4	43.2	43.8	.281	92.9	239	..	..	.7	Cu.	..	..	..
	4	15	10.8	772.70	30.366	45.3	45.2	....	.315	93.2	240	..	..	1.0	Cu. in *S*.	..	..	..
	6	15	11.	772.45	30.355	46.7	45.7	....	.311	93.	286	..	..	1.0	Cu. and S.	..	90	..
	8	15	11.3	772.70	30.364	51.1	49.1	72.	.339	87.8	300	..	..	.9	Ci-cu., Ci-s.	..	90	..
	10	15	12.9	772.65	30.354	55.5	52.5	86.	.373	85.	0	..	..	.6	Ci., Ci-cu., Ci-s., Cu.	..	..	..
	12	15	14.7	771.55	30.301	59.	53.3	94.	.353	76.	35	..	..	.3	Ci., Ci-cu., Ci-s.	..	..	..
	14	15	16.	770.30	30.245	61.4	54.1	72.	.345	73.	45	..	..	.8	Ci., Ci-cu., Ci-s.	..	..	..
	16	15	17.4	770.25	30.237	59.8	52.5	....	.323	71.2	30	..	..	.2	Ci., Ci-cu., Ci-s.	..	..	..
	18	15	16.2	770.25	30.243	53.	49.4	....	.325	80.	30	..	..	..	A very few Ci.	..	..	..
	20	15	15.6	770.70	30.264	50.4	48.8	42.8	.340	89.7	10	..	..	..	Clear.	..	..	..
	22	15	15.3	770.60	30.262	52.	51.5	....	.387	94.5	13	..	..	1.0	S.	..	..	..
30	0	15	15.1	770.30	30.250	51.8	51.4	....	.387	93.8	14	..	..	1.0	Thick fog.	..	..	..
	2	15	15.	770.25	30.249	51.7	51.4	....	.389	93.8	14	..	..	1.0	Thick fog.	..	..	..
	4	15	14.9	770.20	30.247	52.4	52.4	....	.405	93.5	14	..	..	1.0	Thick fog.	..	..	..
	6	15	14.7	770.45	30.258	52.4	52.4	....	.405	93.5	14	..	..	1.0	Thick fog.	..	..	..
	8	15	14.4	771.00	30.281	53.8	53.3	....	.412	93.5	14	..	..	1.0	Very dark.	..	..	..
	10	15	14.9	771.00	30.279	56.	54.6	....	.421	92.	40	..	..	1.0	S., Ci-s.	..	..	..
	12	15	15.3	770.50	30.258	59.5	57.5	....	.458	89.	20	..	..	1.0	S., Ci-s.	..	..	..
	14	15	16.8	769.80	30.224	60.	57.9	....	.464	89.2	20	..	..	.1	Cu., Ci-s.	..	..	..
	16	15	17.4	770.00	30.227	60.4	58.	....	.462	88.	30	..	..	..	Clear.	..	..	..
	18	15	17.2	770.45	30.246	58.	56.	....	.435	93.2	25	..	..	1.0	Overcast, N.	..	..	..
	20	15	18.	770.85	30.258	53.1	52.4	....	.397	94.	75	..	..	..	Thick fog.	..	..	..
	22	15	16.5	771.25	30.282	50.	49.5	50.	.361	93.7	35	..	..	..	Dense fog.	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
1	0 15	15.5	770.35	30.249	52.	51.6	....	.394	93.9	297	..	..	1.0	Cu., S	..	..	..
	2 15	15.5	769.80	30.228	51.5	51.2	....	.389	93.6	297	..	..	1.0	S., Cu., foggy	..	..	..
	4 15	15.4	769.20	30.205	51.4	51.1	....	.388	94.	275	..	..	.8	S., Cu., foggy	..	..	..
	6 15	15.3	769.05	30.200	52.	52.	....	.400	93.9	275	..	..	1.0	S., foggy	..	..	..
	8 15	15.1	769.20	30.207	54.6	54.5	....	.435	94.	275	..	..	.7	Very thick fog	..	..	..
	10 15	17.	768.80	30.183	61.5	60.5	....	.532	92.	35	..	..	.4	Ci., Cu., S	..	22	..
	12 15	19.	767.60	30.126	69.	63.6	92.5	.589	81.	20	..	..	.3	Cu., Ci-cu., Ci-s	..	22	..
	14 15	20.3	766.40	30.073	71.3	63.8	87.	.593	76.	20	.8	..	..	Cu., Ci-s	..	22	..
	16 15	21.	765.70	30.042	68.	60.8	75.	.537	75.2	10	1.0	..	.	Ci., Cu., Ci-cu	..	22	..
	18 15	20.1	765.15	30.024	62.5	58.4	....	.496	87.	0	.5	..	..	Clear	..	..	..
	20 15	19.4	764.30	29.994	59.5	57.5	57.	.481	91.1	0	.4	..	..	Clear	..	..	..
	22 15	19.1	763.40	29.959	58.8	57.5	56.6	.481	93.2	30	..	..	..	Clear	..	..	..
2	0 15	18.6	762.60	29.931	58.5	57.5	57.8	.470	94.	37	.3	..	.7	Clear	..	..	..
	2 15	18.3	761.25	29.879	59.8	58.1	58.2	.472	93.9	22	..	..	.7	Cu	45	..	22
	4 15	18.5	759 90	29.825	62.2	61.1	....	.531	93.5	7	.5	..	.5	N., raining	..	..	..
	6 15	18.7	760.40	29.845	57.5	56.5	....	.454	93.	122	1.2	..	1.0	N., raining	..	..	..
	8 15	18.2	760 65	29.856	56.4	55.5	....	.440	92.5	29	1.0	.25	1.0	N., raining	..	..	..
	10 15	18.	760.35	29.846	58.1	56.6	....	.450	92.	45	..	..	1.0	Ci-s., N	..	..	..
	12 15	19.	759.35	29.801	63.	59.7	102.	.481	82.3	55	..	..	..	Cu	..	45	..
	14 15	20.2	759.00	29.782	65.5	53.3	92.	.281	60.5	100	1.1	..	..	Clear	..	..	..
	16 15	20.2	759.00	29.782	64.	53.5	85.	.303	59.	90	.8	..	..	Clear	..	..	..
	18 15	19.	759.45	29.805	55.8	49.	....	.285	63.	62	..	..	..	Clear	..	..	..
	20 15	18.2	759 60	29.814	49.	45.	....	.269	76.1	25	..	..	..	Clear	..	..	..
	22 15	17.	759.45	29.815	46 2	42.5	37.	.247	77.7	95	..	..	..	Clear	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
3	0	15	16.1	759.40	29.817	46 1	42.6	36.7	.250	78.9	96	..	..	..	Clear	..	..	..
	2	15	15.4	759.00	29.805	42.	40.	34 8	.242	85.2	96	..	..	..	Clear	..	..	..
	4	15	14.1	759.00	29.811	39.3	38 3	34.0	.238	91.	96	..	..	.1	Few Cu	..	..	..
	6	15	13 1	758.80	29.809	37.3	36.8	....	.230	92.	96	..	..	.6	Cu., S	..	..	..
	8	15	11.5	758.35	29.799	44.6	42.9	....	.273	89.	96	..	..	.2	Ci cu., Ci-s., S	..	45	..
	10	15	13.2	757.80	29.768	52.7	48.1	91.5	.299	77.3	10	..	..	.1	Ci., Cu., Ci-s	..	..	..
	12	15	15.2	756.00	29.687	59.	49.	82.	.249	62.	10	..	..	.1	Ci-cu., Ci-s	..	45	..
	14	15	16.6	754.40	29.618	60 2	48.8	77.	.230	59.	10	.2	..	..	Clear	..	..	..
	16	15	16 8	753.60	29.586	58.1	48 6	76.	.250	60.	60	..	..	.1	Ci., Cu., Ci-s	..	..	..
	18	15	16.4	753.60	29.589	....	....	....	....	67.2	0	..	..	.6	Cu., dark	..	..	..
	20	15	15 3	753.85	29.605	46.5	43.	....	.254	76.8	90	..	..	..	Clear	..	..	..
	22	15	14.8	753.40	29.589	45.5	43.5	....	.277	87.2	330	..	..	1.0	Cu., Ci-cu	..	..	..
4	0	15	13.8	752.50	29.558	46.7	44.2	....	.279	88.	282	..	..	1.0	Cu., Ci-cu	..	..	..
	2	15	13.3	751.90	29 536	45.4	43.5	....	.278	89.2	281	..	..	1.0	Cu., Ci-cu	..	..	..
	4	15	13.	751.90	29 538	44.2	43.	....	.280	92.4	125	..	..	1.0	Cu	..	..	..
	6	15	12.	751.55	29.529	44.5	42.5	....	.266	90.8	247	..	..	1.0	Cu	..	..	..
	8	15	11 5	751.80	29.542	44.5	44.	....	.298	94.5	185	..	..	1.0	S. Ci-s	..	..	..
	10	15	12.	750.75	29.498	46.8	44.8	....	.290	88.3	190	..	..	1.0	Cu., Ci s., S	..	..	..
	12	15	12.	750.20	29.476	45 8	43.5	....	.274	87.3	150	.4	..	1.0	Cu., Ci s., N., slight rain	..	..	..
	14	15	11.1	749.80	29.464	41.	40.	....	.253	92.	130	2.5	.16	1.0	Cu., N., rain	..	..	..
	16	15	10.	750.95	29.515	38.2	37.	....	.225	91.4	139	4.0	.02	1.0	Cu., N., rain	..	..	..
	18	15	9.5	752.00	29 559	39.	37.	....	.216	87.	110	2.5	.02	1.0	Cu., N	..	..	..
	20	15	9.	753.00	29.599	39.8	37.	....	.207	82.8	120	2.0	..	.9	N., very dark	..	..	..
	22	15	8.6	753.25	29.612	40.8	37.	....	.196	78.5	120	2.2	..	.4	Cu., N	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
5	0 15	8.3	753.30	29.615	40.7	36.6	....	.199	79.2	100	2.1	..	.5	Cu., Ci s., very dark	..	..	..
	2 15	8.7	751.20	29.650	38.1	35.	38.2	.187	80.	95	1.4	..	.1	Cu	..	..	..
	4 15	8.2	755.00	29.682	38.5	35.	35.9	.183	78.5	102	.3	..	.4	Cu	..	..	..
	6 15	7.6	755.80	29.718	38.2	34.8	....	.182	79.	109	.2	..	.8	Cu	..	..	..
	8 15	8.2	757.00	29.760	41.	37.	67.5	.193	77.5	95	.1	..	.1	Ci., Cu	..	135	..
	10 15	9.	757.50	29.776	44.6	39.1	....	.194	73.	100	1.0	..	1.0	Cu., Ci-cu., Ci-s	..	112	..
	12 15	9.	757.60	29.780	44.8	39.4	....	.198	72.8	100	1.2	..	.9	Cu., Ci-cu	..	135	..
	14 15	9.7	757.50	29.774	47.	40.	....	.186	68.	120	1.4	..	.9	Cu	..	..	..
	16 15	9.9	758.00	29.792	46.3	40.	....	.193	69.3	110	1.5	..	.2	Cu	..	..	..
	18 15	9.8	759.50	29.852	42.8	40.	....	.233	74.7	105	1.0	..	.3	Cu	..	..	..
	20 15	9.5	759.95	29.871	43.5	39.5	....	.215	73.8	112	.2	..	1.0	N.? Cu.?	..	..	..
	22 15	9.2	760.40	29.890	41.	37.5	....	.203	75.	63	1.5	..	.1	A few Ci-s	..	..	..
6	0 15	9.	760.50	29.894	39.9	35.8	....	.182	75.6	79	.2	..	.2	Ci., Cu	..	..	..
	2 15	8.4	760.30	29.890	38.1	33.7	36.1	.163	74.9	106	1.0	..	..	Clear	..	..	..
	4 15	8.2	760.85	29.912	39.3	34.8	....	.170	75.	125	2.0	..	.1	Light Ci., Cu	..	..	..
	6 15	7.7	761.60	29.944	39.	35.9	....	.194	73.3	99	2.0	..	.6	Ci., Cu., S., N	..	..	..
	8 15	7.8	762.75	29.987	42.	36.5	....	.172	72.3	130	1.7	..	.8	Ci-cu., Cu	..	112	..
	10 15	8.	763.65	30.023	44.	37.7	....	.173	69.5	130	2.5	..	.9	Cu	..	112	..
	12 15	9.2	763.80	30.023	46.	39.	72.5	.177	67.5	145	3.3	..	.5	Cu	..	..	..
	14 15	10.5	764.20	30.033	46.5	39.	65.	.171	65.3	140	2.7	..	.2	Cu	..	..	..
	16 15	10.7	765.20	30.071	45.6	38.3	....	.167	65.3	135	2.5	..	..	Clear	..	..	..
	18 15	10.	766.60	30.130	41.5	37.8	....	.204	68.2	145	..	..	..	Clear	..	..	..
	20 15	9.4	767.10	30.152	38.7	35.	....	.181	71.	148	..	..	..	Clear	..	..	..
	22 15	8.4	767.00	30.153	37.	33.8	....	.176	70.	145	..	..	..	Clear	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
8	0	15	6.5	766.30	30.136	35.	33.5	34.9	.193	86.8	148	..	..	.3	S., Ci-s	..	..	..
	2	15	6.1	765.65	30.111	37.	35.	42.4	.200	86.4	59	..	..	1.0	Very dark	..	..	..
	4	15	6.7	765.30	30.094	37.	30.	....	.219	89.6	113	..	.02	1.0	Raining quite hard	..	..	..
	6	15	6.7	763.75	30.033	38.	37.	....	.227	92.8	351	..	.09	1.0	Raining moderately	..	..	..
	8	15	6.7	762.90	30.000	41.2	40.6	....	.263	93.	350	..	.06	1.0	N., raining	..	..	..
	10	15	7.1	762.60	29.986	43.	41.6	....	.264	90.8	28	.1	.07	1.0	N., raining	..	..	..
	12	15	7.9	760.10	29.885	45.6	44.5	....	.297	86.6	33	..	..	1.0	Cu., N	..	..	..
	14	15	8.4	759.80	29.870	46.	44.5	....	.292	89.3	80	..	.04	1.0	N., raining	..	..	..
	16	15	9.	761.00	29.913	47.7	45.7	....	.300	88.	80	..	..	1.0	Cu., Ci-cu., Ci-s	..	90	..
	18	15	9.6	763.00	29.989	48.5	46.	....	.298	86.	145	.2	..	..	Clear	..	..	..
	20	15	9.6	764.00	30.029	47.5	44.	....	.265	81.2	160	..	..	..	Clear	..	..	..
	22	15	9.6	765.20	30.076	45.5	42.	44.8	.244	75.8	170	.2	..	..	Clear	..	..	..
9	0	15	9.3	766.25	30.119	41.1	37.5	39.	.201	78.9	109	..	..	..	Clear	..	..	..
	2	15	8.8	766.90	30.148	38.1	35.2	37.3	.290	80.3	191	..	..	..	Clear	..	..	..
	4	15	8.2	768.45	30.211	35.2	32.9	33.7	.180	82.	202	..	..	..	Clear	..	..	..
	6	15	7.6	769.55	30.259	33.7	31.3	30.6	.170	82.5	198	..	..	..	A few S	..	..	..
	8	15	7.7	770.70	30.304	39.3	36.	61.3	.204	78.2	190	..	..	.7	Light Ci-s. and Ci-cu	..	..	..
	10	15	9.	771.60	30.331	41.3	36.3	72.	.175	74.	230	.1	..	.6	Ci., Ci-cu	..	112	..
	12	15	10.8	771.50	30.320	44.1	38.7	82.	.191	72.5	250	..	..	.3	Ci., Cu	..	..	..
	14	15	11.8	771.30	30.306	46.3	40.3	78.	.199	71.2	260	..	..	.2	Cu., Ci	..	247	..
	16	15	11.3	771.65	30.323	45.	40.5	....	.218	74.5	265	..	..	1.0	Cu., Ci-s., Ci-cu	..	..	..
	18	15	10.8	772.55	30.361	43.5	41.4	....	.244	80.	285	..	..	1.0	Cu	..	..	..
	20	15	10.3	773.15	30.387	39.5	38.	....	.229	84.8	288	..	..	..	Cu. at Hor	..	..	..
	22	15	9.7	774.00	30.423	39.5	37.5	....	.219	87.	270	..	..	..	Clear	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr, height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
10	0	15	9.2	773.80	30.417	39.2	36.6	39.2	.205	84.7	238	..	..	.5	Cu., Ci-cu.	..	..	..
	2	15	9.1	773.60	30.409	37.4	35.4	37.2	.202	86.9	238	..	..	.5	Cu.	..	..	..
	4	15	8.5	773.85	30.422	34.9	33.3	34.2	.191	88.	245	..	..	.7	Cu., S.	..	..	..
	6	15	6.2	774.25	30.449	35.	33.5	....	.193	86.	240	..	..	1.0	Ci-cu., Ci., S., Ci-s.	..	..	..
	8	15	6.	774.75	30.470	36.1	34.5	....	.200	89.	270	..	..	1.0	Ci-cu., Ci-s.	..	135	..
	10	15	7.7	774.75	30.461	38.5	36.2	....	.205	87.3	255	..	..	1.0	Ci-cu., Ci-s.	..	..	..
	12	15	7.8	773.90	30.428	41 5	38.7	....	.221	85.	260	..	..	1.0	Cu., Ci-cu., Ci-s.	..	..	..
	14	15	8.	773.00	30.390	42.	39 2	....	.225	84.5	245	..	..	1.0	Cu., Ci-cu., Ci-s.	..	..	..
	16	15	8.2	773.10	30.393	40.5	36.8	....	.230	88.	240	..	..	1.0	Ci-s., raining	..	..	..
	18	15	8.1	773.20	30.397	40.	37.5	....	.214	88.	235	..	..	1.0	Ci-s., raining	..	..	..
	20	15	8.	773.50	30.410	38.8	37.	....	.218	88.	260	..	..	1.0	N., raining	..	..	..
	22	15	8.	773.00	30.390	38.	36.4	....	.215	89.5	255	..	..	1.0	N., raining	..	..	..
11	0	15	7.6	772.75	30.384	38.	36.1	....	.208	86.7	256	..	..	.9	Cu., Ci-s.	..	..	..
	2	15	7.6	772.20	30.364	37.2	34.5	....	.187	85.1	256	..	..	.8	Ci-s.	..	..	..
	4	15	7.4	771.70	30.343	35.8	33.7	....	.188	83.2	260	..	..	1.0	Cu.	..	..	..
	6	15	7.	771.20	30.326	34.5	32.6	....	.182	86.	258	..	..	1.0	Ci-cu. ? S.	..	..	..
	8	15	7.	771.20	30.326	35.5	33.5	....	.187	86.3	245	..	..	1.0	Ci., Ci-cu., Ci-s.	..	157	..
	10	15	7.	770.80	30.310	38.	35.5	....	.197	86.	255	..	..	1.0	Ci., Ci-cu., Ci-s.	..	..	..
	12	15	8.2	768.90	30 228	42.5	39.2	....	.219	81.	255	..	..	1.0	Ci., Ci-cu., Ci-s.	..	..	..
	14	15	9.	767 40	30.165	44.	40.	....	.218	79.	255	..	..	1.0	Ci., Ci-cu.	..	..	..
	16	15	9.2	766.60	30.134	43.5	40.7	....	.239	80.5	100	..	..	1.0	Ci., Ci-cu.	..	..	..
	18	15	9.5	765.70	30.097	42.7	40 5	....	.244	84.	100	..	..	1.0		..	..	..
	20	15	9.4	764.70	30 058	42.5	40.5	....	.246	85.2	100	..	..	1.0		..	..	..
	22	15	9.4	762.95	29.989	42.	40.5	....	.252	87.3	100	..	..	1.0		..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
12	0	15	9.	761.35	29.927	42.1	40.1	....	.242	87.1	58	..	..	1.0	Ci-s., Cu., N	..	..	..
	2	15	9.6	759.45	29.850	42.	41.	....	.263	88.3	57	..	..	1.0	N., raining	..	..	..
	4	15	9.4	757.15	29.760	43.	42.3	....	.278	94.	15	..	.03	1·0	Very dark	..	..	..
	6	15	9.7	755.45	29.694	44.8	44.3	....	.301	94.	15	..	..	1.0	Cu., S., N	..	..	..
	8	15	10.	753.60	29.619	46.5	45.8	....	.315	93.7	25	..	..	1.0	Cu., N	..	..	..
	10	15	10.2	752.80	29.587	47.	46.2	....	.319	93.	60	.2	.12	1.0	N., raining hard	..	..	..
	12	15	10.4	751.00	29.515	48.6	48.	....	.342	93.	80	.1	.08	1.0	N	..	67	..
	14	15	11.8	750.20	29 476	55.	51.	....	.341	82.	120	..	..	1.0	Broken Cu	..	112	..
	16	15	12.	750.10	29.472	52 6	49.2	....	.325	83.	120	.2	.01	1.0	Cu., Ci-cu., N	..	112	..
	18	15	12.	750.40	29.483	51.	44.8	....	.243	69.2	113	.6	..	1.0	A very few Ci-cu	..	..	..
	20	15	11.8	751.10	29.511	50.5	43.	....	.209	60.8	135	1.5	..	1.0	A very few Ci-cu	..	..	..
	22	15	11.1	751.15	29.517	46.5	40.5	....	.202	63.	135	.6	..	1.0	Clear	..	..	..
13	0	15	10.4	750.70	29.504	41.7	37.1	34.7	.188	66.2	130	..	..	..	Clear	..	..	..
	2	15	10.	750.60	29.501	42.5	38.	....	.196	71.	129	..	..	1.0	Ci-s., N	..	..	..
	4	15	9.5	751.55	29.541	39.6	37.	....	.209	81.5	109	2.0	..	.3	Cu	..	..	..
	6	15	8.3	752.10	29.568	39.2	35.4	37.2	.182	76.6	123	1.4	..	..	Clear	..	..	..
	8	15	8.7	752.50	29.583	41.5	37.	....	.188	74.5	90	1.0	..	.9	Cu	..	157	..
	10	15	9.4	752.75	29.589	44.6	38.	....	.172	69.5	115	2.2	..	.6	Cu	..	112	..
	12	15	10.	752.20	29.564	46.6	39.6	....	.183	67.	135	4.5	..	.7	Ci., Ci-cu., Cu	..	..	..
	14	15	10.	752.20	29.564	46.4	38.6	....	.165	65.5	135	2.4	..	.8	Cu., Ci cu	..	135	..
	16	15	10.1	753.35	29.609	46.	38.5	....	.167	64.	125	2.3	..	.4	Cu., Ci-cu	..	..	..
	18	15	10.	754.70	29.663	45.	39.	....	.188	64.3	135	1.5	..	.7	Cu	..	..	..
	20	15	9.5	755.25	29.687	42.4	36.8	....	.173	68.	119	.2	..	.2	Cu	..	..	..
	22	15	9.	755.55	29.700	40.5	35.2	....	.164	69.	98	.1	..	.1	Cu., Ci cu	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
15	0	15	9.2	750.15	29.488	38.2	33.1	....	.150	71.	129	.2	..	..	Clear	..	..	..
	2	15	8.4	749.50	29.467	35.	30.2	30.7	.139	75.9	100	..	..	..	Clear	..	..	..
	4	15	7.6	749.15	29.454	35.6	32.1	34.9	.161	76.	94	..	..	.4	Ci-s., S	..	..	..
	6	15	7.	749.20	29.459	35.	33.	31.3	.185	78.	75	..	..	.1	Few Cu	..	..	..
	8	15	7.2	748.70	29.439	36.5	32.5	56.3	.158	77.5	70	..	..	.1	Ci., Cu., Ci-cu	..	..	..
	10	15	8.2	748.50	29.428	41.2	36.	....	.172	74.	100	1.4	..	1.0	Cu, Ci-cu	..	112	..
	12	15	7.8	748.25	29.419	43.1	36.9	....	.168	70.	110	4.2	..	.9	Cu, Ci-cu	..	135	..
	14	15	8.1	748.90	29.444	42.5	36.	....	.157	70.	135	4.2	..	1.0	Cu	..	..	..
	16	15	8.1	750.25	29.497	41.5	37.	....	.188	69.9	135	3.5	..	1.0	Cu., N	..	..	..
	18	15	7.3	751.75	29.559	37.5	34.	....	.175	73.	135	2.5	..	..	A few Ci-s	..	..	..
	20	15	6.9	752.70	29.599	36.	33.5	....	.182	74.	45	2.2	..	..	Clear	..	..	..
	22	15	6.3	752.70	29.601	35.6	33.	....	.178	74.	120	2.3	..	..	Clear	..	..	..
16	0	15	5.6	752.55	29.599	34.6	30.4	....	.146	71.4	102	2.8	..	..	A few Ci-s. in *NW*	..	..	..
	2	15	5.2	752.65	29.605	35.8	31.2	35.1	.148	71.7	130	1.5	..	.4	Ci-s	..	..	..
	4	15	4.9	754.20	29.667	34.5	29.7	....	.136	68.9	115	4.5	..	.8	Cu	..	..	..
	6	15	4.4	755.00	29.701	34.2	30.5	....	.152	70.4	126	4.5	..	.7	Cu	..	..	..
	8	15	4.6	755.50	29.720	34.7	29.8	....	.135	68.	140	3.0	..	.2	Cu	..	..	..
	10	15	5.	755.70	29.726	37.5	31.8	....	.141	66.	140	5.0	..	.2	Cu	..	..	..
	12	15	6.	755.30	29.705	40.7	33.3	59.	.126	64.2	140	5.0	..	.2	Cu	..	..	..
	14	15	7.	755.40	29.705	42.9	34.	61.	.114	60.	140	4.5	..	..	A few small Cu	..	..	..
	16	15	7.	756.00	29.728	42.2	37.5	....	.189	59.2	115	3.5	..	..	Clear	..	..	..
	18	15	6.8	757.30	29.780	38.5	34.5	....	.173	68.	90	1.5	..	..	Clear	..	..	..
	20	15	6.4	757.50	29.790	37.5	34.	....	.175	73.	90	.2	..	..	Clear	..	..	..
	22	15	6.	757.35	29.786	36.	33.	....	.173	75.	80	.7	..	..	Clear	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
17	0 15	5.6	757.40	29.799	36.4	32.1	43.8	.152	73.9	100	.2	..	..	Clear	..	..	..
	2 15	5.4	757.50	29.794	34.	31.6	43.7	.172	77.2	56	..	..	.1	S., Ci-s	..	..	..
	4 15	5.	757.95	29.814	35.5	31.5	43.7	.155	74.5	79	..	..	..	Clear	..	..	..
	6 15	4.6	757.75	29.808	34.	31.2	43.7	.166	75.7	63	.1	..	.3	Cu	..	..	..
	8 15	5.	757.75	29.806	37.5	33.8	....	.171	72.	90	..	..	.3	Ci-cu., Ci-s	..	112	..
	10 15	5.3	757.90	29.811	40.	34.	....	.147	70.	90	.8	..	1.0	Ci-cu., Ci s	..	..	..
	12 15	6.	756.10	29.735	42.3	35.5	....	.149	67.	70	.5	..	.9	Ci cu., Ci-s	..	..	..
	14 15	6.7	755.65	29.716	47.	38.	....	.145	60.3	90	..	..	.4	Ci., Ci cu., Ci-s	..	..	..
	16 15	7.7	755.40	29.700	45.	37.	....	.148	61.	85	2.2	..	.2	Ci., Ci-cu., Ci s	..	..	..
	18 15	7.6	755.75	29.714	44.	40.4	....	.228	65.	90	.2	..	.6	Cu., Ci-cu	..	..	..
	20 15	7.6	756.00	29.723	44.5	40.	....	.214	64.8	100	.1	..	1.0	Very dark	..	..	..
	22 15	7.7	756.30	29.735	46.	41.5	....	.229	70.1	110	1.5	..	1.0	Very dark	..	..	..
18	0 15	7.7	756.45	29.741	42.2	38.2	....	.203	74.5	94	.3	..	.1	Ci-s	..	..	..
	2 15	7.8	756.65	29.749	40.6	37.	....	.198	76.4	94	..	..	.6	Ci-s., very dark	..	..	..
	4 15	7.7	756.80	29.755	37.8	36.3	....	.215	83.	94	..	..	1.0	?	..	..	..
	6 15	7.4	757.60	29.789	37.	35.9	....	.209	86.	97	..	..	1.0	Cu	..	..	..
	8 15	7.7	758.40	29.818	37.5	34.6	....	.187	83.	260	..	..	1.0	Cu	..	..	..
	10 15	7.1	758.85	29.839	38.5	35.5	....	.191	80.3	240	..	..	.9	Cu	..	..	..
	12 15	7.7	758.00	29.802	41.7	37.7	....	.199	76.2	245	..	..	1.0	Ci., Ci-cu., Ci-s	..	..	..
	14 15	8.4	758.00	29.799	43.5	39.6	....	.217	77.	345	..	..	1.0	Ci-cu., Ci-s	..	..	..
	16 15	8.7	758.50	29.818	42.2	37.7	....	.194	76.3	220	..	..	1.0	Ci-cu., Ci-s	..	..	..
	18 15	8.3	758.75	29.829	39.4	36.5	....	.202	77.2	195	..	..	1.0	Ci-cu., Ci-s	..	..	..
	20 15	8.	759.90	29.876	38.	34.	....	.169	77.	225	..	..	1.0	Dark	..	..	..
	22 15	7.7	760.30	29.893	36.5	33.5	....	.176	76.	280	..	..	1.0	Dark	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																
19	0 15	7.	760.60	29.910	31.6	31.6	....	.196	94.	240	.1	..	1.0	N., snowing*	..	..	..
	2 15	6.9	760.90	29.886	31.8	31.9	....	.198	91.	297	..	..	1.0	N., very dark	..	..	..
	4 15	6.5	759.65	29.874	30.5	30.5	....	.189	94.	254	..	..	1.0	N., very dark	..	..	..
	6 15	4.2	759.05	29.861	30.7	30.3	....	.184	91.	267	..	..	1.0	N	..	..	..
	8 15	2.7	758.50	29.846	31.6	30.	....	.168	84.	270	.1	..	1.0	N	..	..	..
	10 15	3.	758.40	29.841	31.6	31.	....	.185	91.5	260	..	..	1.0	N., raining	..	..	..
	12 15	4.	756.60	29.766	32.3	31.8	....	.192	92.5	260	..	..	1.0	N., drizzling rain	..	..	..
	14 15	4.	755.00	29.703	33.4	32.7	....	.196	93.	260	..	.03	1.0	N., raining	..	..	..
	16 15	4.2	755.00	29.702	36.2	36.	....	.228	94.5	260	1.6	.25	1.0	N., raining	..	..	..
	18 15	4.8	753.60	29.645	40.8	40.5	....	.266	95.	270	1.2	.14	1.0	N., raining	..	..	..
	20 15	5.2	753.25	29.528	39.1	38.9	....	.252	94.	215	1.5	.15	1.0	N., raining	..	..	..
	22 15	5.4	753.60	29.642	36.8	36.2	....	.224	92.5	265	1.1	.06	1.0	N., raining	..	..	..
20	0 15	5.2	753.00	29.618	36.5	36.	....	.224	81.9	245	2.5	..	1.0	S., N., drizzling	..	..	..
	2 15	5.2	752.85	29.613	37.5	36.5	....	.223	88.3	257	2.5	..	1.0	Very dark	..	..	..
	4 15	5.6	753.80	29.648	37.5	36.7	....	.226	91.	227	1.8	.02	1.0	N., raining	..	..	..
	6 15	5.6	755.00	29.695	37.	36.5	....	.228	92.	215	.3	.20	1.0	N., raining	..	..	..
	8 15	5.8	756.40	29.749	38.1	37.1	....	.228	90.3	225	.2	.07	1.0	N	..	..	..
	10 15	6.	757.60	29.795	38.5	37.7	....	.235	91.6	180	.1	..	1.0	N	..	..	..
	12 15	6.3	757.80	29.802	41.5	39.	....	.238	87.	190	..	..	1.0	N	..	180	..
	14 15	7.	758.40	29.823	41.5	39.	....	.238	86.	195	.1	..	1.0	N	..	180	..
	16 15	7.3	759.90	29.880	41.5	40.	....	.247	87.	175	.1	..	1.0	N	..	180	..
	18 15	7.1	761.15	29.929	40.5	39.5	....	.249	91.3	175	..	..	1.0	N	..	180	..
	20 15	7.1	762.30	29.974	40.8	39.5	....	.246	88.2	165	..	..	1.0	N., Cu	..	..	..
	22 15	7.3	763.15	30.007	40.5	39.	....	.238	87.5	167	..	..	1.0	N., Cu	..	..	..

* Not registered.

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
22	0	15	7.5	763.60	30.024	41.	39.6	....	.245	80.9	323	..	..	1.0	Ci., Ci-s.	..	..	..
	2	15	7.6	763.00	30.000	41.9	40.	....	.243	91.4	332	..	..	1.0	N., (drizzling.)	..	..	..
	4	15	7.6	762.40	29.977	42.3	42.	....	.280	94.	321	..	..	1.0	N., (drizzling.)	..	..	..
	6	15	7.7	761.30	29.933	43.4	43.2	....	.293	93.4	328	..	.01	1.0	Cu.	..	..	..
	8	15	8.2	759.60	29.862	45.8	45.5	....	.317	93.	325	..	.02	1.0	S., N.	..	..	..
	10	15	8.8	758.85	29.831	47.3	47.	....	.334	93.	325	..	.02	1.0	N., rain	..	..	..
	12	15	9.	757.10	29.761	48.8	48.5	....	.352	93.2	15	..	.07	1.0	N., moderate rain	..	..	..
	14	15	9.8	755.00	29.676	49.6	49.5	....	.366	93.3	0	..	.04	1.0	N., S., rain	..	..	..
	16	15	10.3	753.90	29.630	57.6	57.5	....	.480	94.	0	.1	.05	1.0	N., S., rain	..	..	..
	18	15	11.7	753.70	29.615	58.1	57.9	....	.492	93.2	16	1.0	.20	1.0	N., S., (slight rain)	..	..	..
	20	15	12.4	752.70	29.573	58.6	58.5	....	.497	93.5	0	.6	.12	1.0	N., S., rain	..	..	..
	22	15	13.5	752.25	29.549	59.3	58.8	....	.496	93.2	45	1.2	..	1.0	N., S., rain	..	..	..
23	0	15	14.5	753.20	29.582	57.2	55.5	....	.431	89.	109	1.4	.08	1.0	S., N., dark	..	..	..
	2	15	14.5	754.40	29.630	54.8	50.	....	.319	76.3	127	..	..	1.0	N., very dark	..	..	..
	4	15	13.9	755.40	29.671	53.	51.	....	.364	74.	135	.1	..	.5	Cu.	..	..	..
	6	15	13.7	757.30	29.746	49.2	46.	....	.290	74.4	114	.1	..	.5	S.	..	..	..
	8	15	13.	758.65	29.800	48.3	42.3	....	.219	73.	150	..	..	..	A little Ci-s. in *S.* Hor.	..	..	..
	10	15	14.	759.75	29.841	49.	42.5	....	.215	71.2	180	..	..	.1	Ci., Ci-s. in *S.*	..	..	..
	12	15	15.1	759.20	29.814	51.8	42.1	....	.175	62.	110	.5	..	.1	Ci., Ci-s. in *S.*	..	..	..
	14	15	15.3	758.90	29.802	51.8	42.7	....	.188	61.3	75	.8	..	.7	Ci., Ci-cu.	..	90	..
	16	15	14.7	758.90	29.805	49.6	45.	....	.263	64.	80	..	..	1.0	Ci., Ci-cu.	..	..	..
	18	15	13.7	759.25	29.823	48.5	44.	....	.254	67.2	83	..	..	1.0	Cu., Ci cu.	..	..	..
	20	15	13.	759.00	29.816	44.1	41.8	....	.255	76.3	55	..	..	.9	Ci cu.	..	..	..
	22	15	12.2	759.25	29.830	42.1	41.	....	.251	78.	55	..	..	.4	Ci., Ci-s.	..	..	..

Date.		Barometer.			Thermometers, Fah.					Wind.					Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, &c.	1.	2.	3.
	h. m.																
24	0 15	11.3	759.10	29.828	43.1	38.1	....	.191	73.	89	..	..	..	Clear.	..	..	..
	2 15	10.8	759.90	29.863	43.6	36.6	39.	.157	66.	125	..	..	..	A few Ci-s. in *W*.	..	..	..
	4 15	10.3	760.55	29.891	39.6	34.8	34.	.166	70.5	114	..	..	..	Clear.	..	..	..
	6 15	9.6	761.65	29.937	37.6	34.	30.4	.174	72.	138	..	..	..	A few Ci-s. in *N*.	..	..	..
	8 15	9.5	763.00	29.989	41.	39.3	....	.139	71.5	140	..	..	..	A few Ci-s.	..	..	..
	10 15	10.3	763.70	30.014	....	....	....	....	....	150	..	..	..	Clear.	..	..	..
	12 15	11.8	763.05	29.980	45.	38.	....	.168	65.	135	.1	..	.1	Ci., Ci-cu. in Hor.	..	..	..
	14 15	12.7	762.75	29.965	46.9	38.9	....	.164	63.6	105	..	..	.4	Ci., Ci-cu	..	..	..
	16 15	12.	763.20	29.986	45.5	40.	....	.202	67.	115	..	..	.8	Ci., Ci-cu., Ci-s.	..	..	..
	18 15	11.3	764.35	30.035	43.	39.	....	.210	69.1	107	..	..	.9	Ci., Ci-cu., Ci-s.	..	..	..
	20 15	11.1	764.55	30.044	42.5	39.1	....	.218	69.2	60	..	..	.4	Ci., Ci cu., Ci-s.	..	..	..
	22 15	10.5	764.75	30.055	38.	36.	....	.208	76.	70	..	..	.2	Ci., Ci-cu., Ci-s.	..	..	..
25	0 15	9.7	764.30	30.041	38.	34.2	....	.173	78.	69	..	..	.9	Ci-cu.	..	..	..
	2 15	9.1	764.35	30.045	37.	33.9	....	.178	78.9	227	..	..	1.0	Ci-cu., Ci-s.	..	..	..
	4 15	8.6	764.25	30.044	38.	34.5	....	.179	78.5	249	..	..	1.0	N. ?	..	..	..
	6 15	8.	763.80	30.029	38.	34.5	....	.179	78.	248	.1	..	1.0	N., rain	..	..	..
	8 15	7.8	764.10	30.042	36.4	35.2	....	.210	91.	249	..	.05	1.0	N., rain	..	..	..
	10 15	7.5	763.20	30.008	37.	36.5	....	.228	92.5	255	..	.05	1.0	N., S., rain	..	..	..
	12 15	7.4	761.60	29.946	38.7	38.4	....	.247	92.5	210	.2	.14	1.0	N., S., rain	..	..	..
	14 15	7.2	758.00	29.805	39.8	39.5	....	.257	92.5	240	.7	.23	1.0	N., rain	..	..	..
	16 15	7.4	757.00	29.765	41.5	41.	....	.268	95.	210	.4	.02	1.0	N., rain	..	..	..
	18 15	7.6	756.00	29.724	41.5	40.7	....	.262	93.8	200	..	.03	1.0	N., rain	..	..	..
	20 15	7.7	754.70	29.674	41.6	41.4	....	.276	93.5	195	..	.02	1.0	N., rain	..	..	..
	22 15	8.	753.50	29.624	42.7	42.4	....	.284	93.	200	..	.02	1.0	N., rain	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																
26	0	15	8.1	752.30	29.578	41.8	41.4	....	.274	92.7	190	..	.04	1.0	N., light rain	..	..	..
	2	15	7.9	751.80	29.558	40.6	40.2	....	.262	91.	196	..	.01	1.0	N., light rain	..	..	..
	4	15	8.3	751.80	29.556	40.5	40.3	....	.265	93.	168	..	.01	1.0	N., light rain	..	..	..
	6	15	8.	752.00	29.566	39.4	39.2	....	.255	92.8	166	..	.01	1.0	N., light rain	..	..	..
	8	15	8.2	751.70	29.553	40.1	39.7	....	.258	92.3	210	..	.01	1.0	N., S	..	..	..
	10	15	8.3	752.10	29.568	42.	41.6	....	.276	92.	125	..	..	1.0	N., S	..	..	..
	12	15	9.	751.15	29.527	45.8	45.1	....	.308	91.	30	..	..	1.0	N., S	..	..	..
	14	15	10.	751.00	29.516	47.7	47.	....	.329	91.	335	..	..	1.0	N., S	..	..	..
	16	15	10.	751.40	29.532	46.8	46.2	....	.321	92.	235	..	..	1.0	N., S	..	..	..
	18	15	10.6	752.50	29.574	46.	45.5	....	.314	92.	345	..	..	1.0	N., S., rain	..	..	..
	20	15	11.	753.55	29.612	46.	45.5	....	.314	92.	65	..	.06	1.0	N., S , rain	..	..	..
	22	15	11.2	755.65	29.695	41.5	39.8	....	.244	87.	125	.2	.01	1.0	N., S., Ci-s	..	..	..
27	0	15	11.6	756.65	29.730	35.7	33.	....	.176	80.9	108	.8	..	1.0	N., Ci-s	..	..	..
	2	15	10.5	758.75	29.819	32.7	30.1	....	.160	82.2	121	1.2	..	.4	Ci-cu., Ci-s	..	..	..
	4	15	9.7	759.70	29.860	32.2	29.3	....	.152	75.5	110	.2	..	1.0	Ci-cu., S	..	..	..
	6	15	9.1	761.10	29.917	31.5	28.3	....	.143	75.	95	.8	..	1.0	Ci-cu., S., Cu	..	..	..
	8	15	7.5	762.60	29.985	30.5	26.9	....	.129	70.	100	1.2	..	.9	Cu	..	..	..
	10	15	7.3	763.30	30.013	31.5	26.8	....	.117	66.5	100	2.3	..	.7	Cu., Ci	..	112	..
	12	15	7.8	764.30	30.050	30.	25.5	....	.112	67.5	120	2.2	..	.3	Cu	..	157	..
	14	15	8.	765.35	30.090	28.8	25.	....	.116	66.3	150	2.4	..	.4	Cu	..	180	..
	16	15	6.5	766.15	30.130	30.	26.	....	.120	66.	150	2.1	..	..	Clear	..	..	..
	18	15	5.5	767.30	30.179	28.	26.	....	.141	68.	156	.2	..	..	Clear	..	..	..
	20	15	4.5	768.75	30.242	26.	24.8	....	.142	70.7	156	..	..	..	Clear	..	..	..
	22	15	3.7	768.70	30.244	26.	23.5	....	.122	71.	160	..	..	..	Clear	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.			Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m																
29	0 15	1.2	764.15	30.076	....	....	....	....	89.2	205	1.5	Snow fell dur'g day =0.78in.	1.0	N., snowing	..	..	..
	2 15	1.	763.30	30.042	....	....	....	....	89.5	187	1.8		1.0	N., snowing	..	..	..
	4 15	0.9	762.45	30.010	....	....	....	....	89.1	176	1.5		1.0	N., snowing	..	..	..
	6 15	0.8	762.75	30.023	....	....	....	....	91.2	189	1.2		1.0	N., snowing	..	..	..
	8 15	0.5	762.30	30.006	23.	22.5	....	....	89 2	160	.1		1.0	N., snowing	..	..	..
	10 15	0.8	761.75	29.984	24.3	23.7	....	.141	87.	170	.2		1.0	N., snowing	..	..	..
	12 15	1.7	761.00	29.949	27.	25.8	....	.146	84.5	145	.3		1.0	N., snowing	..	..	..
	14 15	2.1	761.30	29.959	27.	26.	....	.150	85.	120	.4		1.0	N., snowing	..	..	..
	16 15	1.8	761.85	29.982	26 8	25.4	....	.141	82.2	125	1.3		1.0	N., snowing	..	..	..
	18 15	1.3	763.00	30.029	26.	24.5	....	.135	79.	130	1.2		.6	N., snowing	..	..	..
	20 15	1.	763.70	30.058	24.5	23.3	....	.132	77.7	135	.1		..	Clear	..	..	..
	22 15	0.2	764.65	30.101	23.5	22.	....	.122	75.	130	.1		..	Clear	..	..	..
30	0 15	0.	765 75	30.145	22.	....	....	....	75.	128	..		..	Clear	..	..	..
	2 15	— .4	766.30	30.168	22.	....	....	.109	74.3	113	..		..	Clear	..	..	..
	4 15	— .9	767.30	30.210	17.7	....	....	....	77.	108	..		..	Clear	..	..	..
	6 15	—1.3	768.15	30.239	16.	....	....	....	78.	230	..		..	Clear	..	..	..
	8 15	—1.	768.85	30.269	22.4	21.2	....	.121	75.	115	..		.1	Ci. in *W*	..	..	..
	10 15	+0.5	769.55	30.292	25.6	23.	....	.118	73.	120	.1		.1	Ci. in *W*	..	..	..
	12 15	+1.9	769.15	30.269	28.5	25.5	....	.128	71.	135	.6		.1	Ci., (light)	..	..	..
	14 15	3.2	769.00	30.256	30.5	28.5	....	.156	69.2	150	..		.3	Ci., (light)	..	..	..
	16 15	3.	769 10	30 262	30.	27.8	....	.150	70.	75	..		.7	Ci., Ci-cu., Ci-s	..	112	..
	18 15	2.6	769.50	30.281	26.5	25.	....	.140	76.3	77	..		.7	Ci-cu., Cu	..	..	..
	20 15	2.	769.75	30.293	20.8	20.3	....	.125	81.	77	..		..	Ci-cu	..	..	..
	22 15	1.	770.10	30.310	16.1	16.	....	.111	88.	77	..		..	Clear	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																	
1	0	15	0.1	770.10	30 315	14.	13.9	9.3	.102	3 A. M.:	93.2	77	..	..	.2	Ci-cu., Ci-s	..	..	..
	2	15	—0.2	770.15	30.319	16.5	16.5	....	.114	(D. 16.9)	89.7	77	..	..	1.0	Ci-cu., Ci-s	..	..	..
	4	15	—0.3	770.05	30.315	21.5	21.5	....	.137	(A 20.2)	92.5	52	..	..	1.0	Ci-cu., Ci-s	..	..	..
	6	15	—1.	770.35	30 327	16.5	....	21.8	....	9 A. M.:	92.	52	..	..	..	Foggy	..	..	..
	8	15	—1.	771.00	30.353	15.1	....	....	....	(D. 18.4)	93	52	..	..	..	Fog passing off, no clouds	..	..	..
	10	15	0.	771.50	30.371	23.6	23.3	....	.143	(A. 18.1)	87.	52	..	..	..	Clear	..	..	..
	12	15	2.2	770.85	30 334	31.	28.5	....	.150	3 P. M.:	77.	45	..	..	..	Clear	..	..	..
	14	15	4.	770.40	30.308	34.3	31.1	....	.160	(D. 22.8)	74.3	35	..	..	..	Ci. in S., very little	..	..	..
	16	15	4.	770.50	30.312	33.	31.7	....	.184	(A. 34.6)	77.	50	.1	..	.4	Ci., Ci-cu	..	..	..
	18	15	3.5	770.50	30.314	29.5	28.5	....	.166	9 P. M.:	80	50	..	..	..	Clear	..	..	..
	20	15	3.2	770.45	30.313	31.	30.	29.9	.176	(D. 25.)	84.5	50	..	..	..	Ci	..	..	..
	22	15	2.9	770.40	30.313	27.	25.4	26.	.140	(A. 28 5)	87.	50	..	..	.2	Ci.	..	..	..
2	0	15	2.2	769.80	30.254	26.6	26.	24.5	.155	3 A. M.:	91.9	47	..	..	..	Clear	..	..	..
	2	15	1.6	769 60	30.288	25.	24.8	23.7	.152	(D. 21.3)	91.9	48	..	..	..	Clear	..	..	..
	4	15	1.2	769.05	30.269	23.2	23.1	20.3	.144	(A. 24.4)	92.5	48	..	..	..	Clear	..	..	..
	6	15	0.8	768.95	30.268	20.5	....	10.5	....	9 A. M.:	94.6	48	..	..	..	Foggy	..	..	..
	8	15	0.8	769.60	30.293	22.1	....	....	....	(D 24.)	92.	48	..	..	..	Foggy, S	..	..	..
	10	15	2.1	769 65	30.289	28.8	28.	....	.165	(A. 24.5)	87.	48	..	..	.4	A little Ci	..	..	..
	12	15	3.8	769.30	30.265	34.5	31.7	....	.169	3 P. M.:	79.	48	..	..	1.0	Light Ci-s	..	..	..
	14	15	4.5	768.75	30.242	35.6	33.6	....	.188	(D. 26.3)	77.5	44	..	..	1.0	Ci s., S., N	..	..	..
	16	15	5.	768.65	30.235	33.5	31 5	....	.176	(A. 35.8)	78.	45	..	..	1.0	Ci-s., S., N	..	..	..
	18	15	4.4	768.40	30.228	31.5	29.9	....	.169	9 P. M.:	81.	45	..	..	1.0	?	..	..	..
	20	15	4.	768 00	30.214	30.3	29.	....	.166	(D. 24.8)	84.	45	..	..	.6	?	..	..	..
	22	15	3.6	768.10	30.220	28.9	28.	....	.164	(A. 29.)	86.	45	..	..	.4	?	..	..	..

Date.		Barometer.			Thermometers, Fah.						Wind.					Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Dir. points.	Force, lbs.	Sky covered, 10ths.	Rain, inches.	Clouds, &c.	1.	2	3.
	h. m.																	
3	0 15	3.1	767.55	30.201	30.1	29.1	....	.170	3 A. M.:	89.8	45	..	..	1.0	S., foggy	..	..	..
	2 15	3.3	767.15	30.183	32.5	30.7	....	.178	(D. 26.)	84.2	249	..	..	1.0	Slight fog	..	..	..
	4 15	3.4	766.55	30.160	32.3	30.8	....	.176	(A. 32.4)	84.	257	..	..	1.0	N., raining	..	..	..
	6 15	3.3	765.55	30.120	32.7	32.	....	.192	9 A. M.:	92.5	250	..	.03	1.0	N., raining	..	..	..
	8 15	3.3	763.70	30.047	35.3	35.	....	.219	(D. 35.8)	93.5	250	..	.11	1.0	N., raining	..	..	..
	10 15	4.	762.20	29.986	37.7	37.4	....	.238	(A. 36.5)	93.5	260	..	.06	1.0	N., raining	..	..	..
	12 15	4.7	758.60	29.841	40.4	40.3	....	.266	3 P. M.:	94.	270	..	.30	1.0	N., dense fog	..	..	..
	14 15	5.2	755.20	29.705	44.5	44.5	....	.309	(D. 44.5)	93.	250	..	.40	1.0	N., dense fog	..	..	..
	16 15	6.	751.85	29.569	45.8	45.8	....	.323	(A. 44.5)	95.	260	..	.75	1.0	N., dense fog	..	..	..
	18 15	7.	747.85	29.408	52.5	52.4	....	.404	9 P. M.:	93.3	285	1.0	.26	1.0	N., dense fog	..	..	..
	20 15	8.2	747.15	29.373	57.	56.5	....	.460	(D. 54.)	93.	320	2.2	.04	1.0	Very dark	..	..	..
	22 15	9.8	747.45	29.379	52.5	51.8	....	.389	(A. 55.)	92.	0	1.5	..	1.0	Very dark	..	..	..
4	0 15	10.4	748.00	29.439	50.2	49.4	....	.357	3 A. M.:	92.6	5	1.8	..	1.0	N., Ci-s.	..	..	..
	2 15	10.6	748.30	29.449	49.	47.9	....	.335	(D. 44.2)	89.5	44	1.2	..	1.0	S., Ci-s.	..	..	..
	4 15	10.9	746.55	29.379	47.9	47.4	....	.337	(A. 48.4)	90.	32	.2	..	.8	Ci., S.	..	..	..
	6 15	10.8	745.35	29.335	44.9	44.7	....	.309	9 A. M.:	90.	50	..	..	1.0	Foggy	..	..	..
	8 15	11.	745 55	29.297	46.6	45.8	....	.314	(D. 38.8)	90.	40	..	.02	1.0	N., scud	..	90	..
	10 15	11.	745.60	29 299	47.8	42.3	....	.225	(A. 47.8)	69.	75	1.3	..	.1	Ci-cu. in *SE*	..	..	..
	12 15	12.3	744.20	29.238	51.	43.	....	.205	3 P. M.:	63.	75	3.5	..	.3	Cu	..	90	..
	14 15	12.8	743.70	29.216	50.9	43.8	....	.224	(D. 39.)	61.2	62	4.0	..	1.0	Cu	..	90	..
	16 15	12.5	744.25	29.239	48.3	41.	....	.194	(A. 49.3)	61.8	93	2.6	..	.9	Cu	..	90	..
	18 15	11.	746.25	29.324	44.	38.	....	.180	9 P. M.:	63.	110	5.0	..	1.0	Very dark	..	..	..
	20 15	10.	746.50	29.339	42.5	36.6	....	.170	(D. 30.)	64.	110	3.5	..	1.0	Very dark	..	..	..
	22 15	9.3	746.45	29.340	41.5	37.	....	.188	(A. 41.5)	63.	90	2.5	..	1.0	Very dark	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
6	0 15	4.	749.00	29.466	31.5	30.5	....	.150	3 A. M.:	70.	115	3.1	..	..	Clear, a little S. in *E*	..	..	..
	2 15	3.8	749.40	29.482	34 3	30.1	60.8	.144	(D. 22.3)	71.	110	2.5	..	.2	S., Cu., Ci	..	..	..
	4 15	3.8	749.50	29.486	31.6	30.3	59.	.145	(A. 34.5)	70.5	110	1.7	..	.4	Cu., S	..	..	..
	6 15	3.4	750.65	29.535	33.8	30.	57.2	.148	9 A. M.:	71.	123	1.8	..	.1	S	..	..	..
	8 15	3.5	751.75	29.577	34.5	30.8	....	.154	(D. 23.3)	72.5	115	1.0	..	.1	Ci., Ci-cu in Hor	..	..	..
	10 15	5.	752.25	29 590	38.4	33.5	....	.155	(A. 35.7)	70.	115	2.3	..	.4	Ci., Cu, Ci-cu	..	..	..
	12 15	5.	752.00	29.580	39.3	34.	....	.155	3 P. M.:	68.5	125	2.3	..	1.0	Cu., Ci-cu., N	..	135	..
	14 15	5.	752.40	29.596	40.	34.6	....	.157	(D. 23.4)	67.3	150	1.5	..	1.0	Cu., Ci-cu., N	..	135	..
	16 15	5.2	753.40	29.631	39.	34.5	....	.168	(A. 39.7)	68.8	142	.3	..	1.0	Cu., Ci cu., N	..	..	..
	18 15	5.2	754.60	29.682	36.8	34.	....	.183	9 P. M.:	69.3	155	..	..	1.0	Cu., Ci-cu., N	..	..	..
	20 15	5.	755.50	29.718	34.5	31.5	....	.166	(D. 24.)	67.5	175	.1	..	..	Ci cu. at Hor	..	..	..
	22 15	4.7	756.45	29.756	32.5	30.5	....	.169	(A. 33.5)	69.2	155	.1	..	..	Clear	..	..	..
7	0 15	3.8	756.90	29.778	31.	28.	....	.143	3 A. M.:	71.	158	..	..	..	Clear	..	..	..
	2 15	3.4	757.80	29.816	30.5	27.	29.5	.132	(D. 22.5)	68.5	155	..	..	.1	Ci., S	..	..	..
	4 15	2.9	758.25	29.836	29.8	25.5	29.3	.115	(A. 30.3)	68.	150	1.5	..	.1	Ci., S	..	..	..
	6 15	2.4	759.40	29.883	29.	25.2	27.5	.118	9 A. M.:	70.	134	.1	..	.3	Ci., S	..	..	..
	8 15	2.5	761.00	29.946	30.	26.1	....	.121	(D. 15.7)	70.	140	.1	..	..	A little Ci. in *E*	..	..	..
	10 15	4.	762.00	29.978	32.	27.2	....	.119	(A. 31.1)	68.	145	1.3	..	..	Clear	..	..	..
	12 15	5.3	762.10	29.975	34.	28 8	....	.125	3 P. M.:	67.	150	1.7	..	.1	Very light Ci	..	..	..
	14 15	5.8	762.40	29.985	35.7	30.2	....	.131	(D. 18.5)	66.	145	.5	..	..	Clear	..	..	..
	16 15	6.4	763.75	30.035	34.8	31.5	....	.163	(A. 36.2)	66.	125	..	..	..	Clear	..	..	..
	18 15	5.7	764.60	30.072	32 3	31.5	....	.188	9 P. M.:	69	120	..	..	..	Clear	..	..	..
	20 15	5.3	765.15	30 095	27.3	26.4	23.5	.154	(D. 18.)	71.8	120	..	..	..	Clear	..	..	..
	22 15	4.	765.30	30.108	27.5	26.5	23.	.151	(A. 28.5)	74.9	120	..	..	..	Clear	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
8	0 15	2.7	765.12	30.107	24.8	23.6	....	.130	3 A. M.:	82.	120	..	..	..	Clear	..	..	..
	2 15	2.4	765.75	30.133	24.	23.7	19.5	.145	(D. 18.5)	87.4	120	..	..	..	Clear	..	..	..
	4 15	1.9	766.15	30.151	22.2	21.8	17.3	.134	(A. 22.7)	89.3	120	..	..	..	Clear	..	..	..
	6 15	1.	766.20	30.157	23.2	22.8	18.7	.139	9 A. M.:	90.2	120	..	..	..	A little Ci-s. in *E*	..	..	..
	8 15	1.7	766.60	30.170	25.8	25.2	....	.150	(D. 24.3)	90.5	120	..	..	..	Ci-s. in Hor.	..	..	..
	10 15	4.2	767.20	30.182	32.5	30.6	....	.171	(A. 28.6)	87.	25	..	..	.1	Ci.	..	90	..
	12 15	8.	766.50	30.136	38.	34.	....	.168	3 P. M.:	76.	45	.2	..	.4	Light Ci., Ci-cu	..	90	..
	14 15	11.3	765.85	30.094	40.5	35.5	....	.169	(D. 26.3)	72.	60	.6	..	.2	Ci.	..	90	..
	16 15	13.	765.25	30.062	38.6	35	....	.181	(A. 40.2)	75.	28	.1	..	.8	Ci., Ci-cu	..	..	..
	18 15	12.1	765.45	30.074	36.	33.5	....	.182	9 P. M.:	79.	25	..	..	.8	Questionable, dark	..	..	..
	20 15	11.3	764 85	30.055	35.5	33.5	....	.187	(D. 28.7)	82.	20	..	..	1.0	Questionable, dark	..	..	..
	22 15	11.	764.00	30.022	36.5	34.	....	.186	(A. 36.)	82.5	20	..	..	1.0	Questionable, dark	..	..	..
9	0 15	11.2	762.50	29.963	37.2	35.	....	.197	3 A. M.:	82.	18	..	..	1.0	N	..	..	..
	2 15	14.	762.10	29.933	37.3	35.1	....	.197	(D. 31.)	83.	19	..	..	1.0	Ci., Cu., and N	..	..	..
	4 15	16.9	761.60	29.900	39.	30.2	....	.200	(A. 38.2)	81.5	19	..	..	1.0	N., Ci., Cu.	..	..	..
	6 15	17.	760.90	29.873	39.3	36.8	....	.208	9 A. M.:	82.	19	..	..	1.0	N., Ci., Cu.	..	..	..
	8 15	17 6	760.95	29.872	41.	38.	....	.212	(D. 32.)	81.	16	..	..	1.0	Cu., Ci-cu., N	..	..	..
	10 15	18.5	761.30	29.880	43.4	39.7	....	.221	(A. 41.7)	79.	16	..	..	1.0	Cu., Ci-cu	..	..	..
	12 15	19.3	760.00	29.826	46.	41.5	....	.229	3 P. M.:	77.	45	..	..	.7	Ci., Ci-cu	..	..	..
	14 15	19.5	759.65	29.811	49.	43.5	....	.237	(D. 36.)	73.	50	..	..	1.0	Ci., Ci-cu., N	..	..	..
	16 15	19.5	759 65	29.811	46.6	43.1	....	.255	(A. 48.)	78.	45	..	..	1.0	Ci., Ci cu., Ci-s	..	..	..
	18 15	20.	760.50	29.842	46.2	43.	....	.257	9 P. M.:	78.1	45	..	..	1.0	Dark	..	..	..
	20 15	19.	760.70	29.855	42.5	40.8	....	.253	(D 38.)	81.8	45	..	..	..	Clear	..	..	..
	22 15	18.	760.80	29.864	40.8	37.	40.	.235	(A. 43.)	84.2	45	..	..	..	Clear	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																	
10	0	15	17.5	760 80	29.866	39.5	38.3	38.	.236	3 A. M.:	89.	46	..	..	..	Clear	..	..	..
	2	15	18.5	760.90	29.865	38.4	37.4	35.2	.230	(D. 35.)	91.5	45	..	..	..	Clear	..	..	..
	4	15	19.8	760.40	29.840	36.6	35.8	34.1	.219	(A. 39.3)	91.	45	..	..	..	Clear	..	..	..
	6	15	18.2	760.20	29.838	36.7	36.	....	.222	9 A. M.:	92.	46	..	..	.8	Cu., Ci-cu	..	..	..
	8	15	18.1	759.60	29.816	38.7	38.2	....	.242	(D. 37.8)	93.	46	..	..	1.0	Ci., Cu., N., raining*	..	..	..
	10	15	20.3	759.25	29.791	42.	41.	....	.263	(A. 39.6)	90.3	45	..	..	1.0	S.	..	..	..
	12	15	20.1	756.40	29.680	46.6	44.8	....	.292	3 P. M.:	78.	32	..	..	1.0	Ci., Ci cu , S	..	..	..
	14	15	20.2	754.40	29.601	54.6	51.1	....	.349	(D. 48.2)	82.	0	..	..	1.0	Ci-cu., Ci-s., N	..	..	..
	16	15	19.9	752.65	29.533	54.2	51.2	....	.355	(A. 54.5)	85.2	345	..	..	1.0	N., raining*	..	..	..
	18	15	23.	752 35	29.504	54.5	51.5	....	.360	9 P. M.:	85.7	0	.5	..	1.0	Ci-cu., N	..	..	..
	20	15	23.5	750.40	29.427	53.	52.5	....	.402	(D. 50.5)	92.	0	1.5	..	1.0	Dark N	..	..	..
	22	15	22.	749.00	29.379	53.5	51.5	....	371	(A. 53.)	93.	355	1.3	..	1.0	Dark N	..	..	..
11	0	15	22.	747.50	29.321	53.5	51.5	....	.371	3 A. M.:	92.8	335	.3	..	1.0	Cu., N	..	..	..
	2	15	19.4	746 45	29.292	52.	51.2	....	.380	(D. 49.5)	93.	336	..	..	1.0	N., very dark	..	..	..
	4	15	22.	746.25	29.273	51.8	49 5	....	.342	(A. 52.)	85.	75	.3	.16	1.0	Raining very hard	..	..	..
	6	15	21.8	746.60	29.290	49.	47.	....	.315	9 A. M.:	88.	67	..	..	1.0	Cu., Ci-cu	..	..	..
	8	15	21.7	747.50	29.324	48.6	47.4	....	.329	(D. 45.)	91.3	50	.3	..	1.0	Ci-cu	..	67	..
	10	15	20.7	747.85	29.343	51.3	46.8	....	.284	(A. 48.6)	78.5	85	..	..	.9	Ci., Cu., Ci cu	135	..	90
	12	15	21.	747.80	29.340	51.	45.4	....	.258	3 P. M.:	74.	120	.1	..	1.0	Cu., Ci-cu	..	90	..
	14	15	21.2	748 25	29.356	45.6	43.	....	.264	(D. 41.5)	82.5	110	.6	..	1.0	Cu., Ci-cu., N	..	90	..
	16	15	19 5	749 00	29.389	45.5	43.	....	.267	(A. 44.7)	83.9	125	1.3	..	1.0	Cu., Ci-cu., N	..	112	..
	18	15	18.8	750 75	29.462	46.5	44.4	....	.285	9 P. M.:	83.2	135	1.3	..	1.0	Cu., Ci-cu., N	..	135	..
	20	15	18.3	751.85	29.507	45.5	43.5	....	.277	(D. 37.)	80.5	160	2.0	..	1.0	Cu., Ci-cu., N	..	..	..
	22	15	18.	753.00	29.554	43.	39.4	....	.220	(A. 45.)	77.	160	2.6	..	.2	Ci-s	..	..	..

* Not sufficient to register.

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																	
13	0	15	14.9	764.30	30.017	34.	32.1	....	.178	3 A. M.:	84.1	205	..	..	..	Clear	..	..	..
	2	15	14.	764.60	30.032	33.6	31.5	31.	.175	(D. 24.6)	84.9	205	..	..	..	Clear	..	..	..
	4	15	15.2	764.50	30.023	31.	30.4	28.3	.180	(A. 31.6)	88.5	205	..	..	.1	Ci., Cu., S.	..	..	..
	6	15	15.7	765.10	30.043	30.3	29.4	....	.172	9 A. M.:	89.	205	..	..	.7	Ci., Cu., Ci-s.	..	..	..
	8	15	16.	765.65	30.063	34.	32.2	....	.181	(D. 29.8)	86.5	225	..	..	.7	Ci., Ci cu.	..	90	..
	10	15	15.9	766.30	30.090	37.2	35.1	....	.198	(A. 35.3)	86.3	225	..	..	.7	Ci., Ci-cu.	..	90	..
	12	15	15.5	763.90	30.096	44 5	41.5	....	.215	3 P. M.:	83.	280	..	..	.7	Ci , Cu., Ci-cu.	..	..	..
	14	15	18.8	763.10	29.948	47.2	43.2	....	.250	(D. 36.5)	79.	210	..	..	1.0	Cu., Ci-s , Ci.	..	67	..
	16	15	18.2	762.50	29.928	46.2	42.5	....	.247	(A. 47.5)	81.	270	..	..	1.0	Cu., Ci-s., Ci.	..	337	..
	18	15	18.5	762.35	29.921	45.	43.5	....	.282	3 P. M.:	84.	270	.2	..	1.0	Cu., Ci-s., Ci.	..	337	..
	20	15	18.1	761.15	29.877	43.5	42.	....	.266	(D. 39.)	89.	235	..	..	1.0	Cu., dark	..	..	..
	22	15	18.4	760.75	29.860	42.2	41.5	....	.271	(A. 43.)	93.	240	..	..	1.0	Cu., dark	..	..	..
14	0	15	18 2	759.15	29 796	43.2	42.5	....	.280	3 A. M.:	93.9	227	..	..	1.0	N., very dark	..	..	..
	2	15	20.1	757.35	29.718	45.9	45.	....	.304	(D. 42.4)	92.3	243	..	..	1.0	N., raining	..	..	..
	4	15	21.5	754 85	29.615	49.1	48.3	....	.343	(A. 46.6)	92.5	270	1.0	.05	1.0	Raining hard	..	..	..
	6	15	21.	754.85	29.617	50.1	49.1	....	.351	9 A. M.:	87.	35	1.3	.29	1.0	Raining hard	..	..	..
	8	15	21.1	755.75	29.651	47.7	47.2	....	.333	(D. 47.3)	92.	40	..	.12	1.0	Ci-cu., S., N.	90	..	45
	10	15	21.1	756.50	29.680	49 6	47.1	....	.310	(A. 48.2)	86.3	100	..	..	1.0	Cu.	..	112	..
	12	15	21.3	756.10	29.663	51.7	46.7	....	.277	3 P. M.:	76.2	100	.7	..	.1	Cu.	..	112	..
	14	15	22.8	756.40	29.668	52.6	47.6	....	.288	(D. 40.)	75.	100	2.0	..	.3	Cu.	112	..	180
	16	15	22.8	757.75	29.722	52.	47.	....	.281	(A. 53.)	73.5	125	.3	..	.6	Cu., Ci-cu.	180	..	..
	18	15	21.4	758.85	29.772	50.	46.	....	.281	9 P. M.:	75.	127	..	..	.2	A few Ci-cu.	..	..	..
	20	15	20.6	758.85	29.775	44.5	42.4	....	.264	(D. 38.)	79.	127	..	..	..	Clear	..	..	..
	22	15	21.3	759.35	29.791	44.	42.	....	.261	(A. 45.)	82.	110	..	..	..	Clear	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																	
15	0	15	21.3	760.60	29.840	42.8	42.	37.5	.274	3 A. M.:	83.1	110	..	..	..	Clear	..	..	..
	2	15	20.9	761.50	29.857	42.4	40.	37.9	.237	(D. 37.4)	83.	111	..	..	..	Clear	..	..	..
	4	15	19.	761.70	29.894	39.9	38.	31.5	.225	(A. 41.6)	86.	111	..	..	..	Ci., Cu. at Hor.	..	..	..
	6	15	18.3	761.95	29.907	39.3	37.5	30.	.222	9 A. M.:	88.	139	..	..	.5	Very light Ci.	..	..	..
	8	15	19.1	763.30	29.955	39.5	37.7	....	.224	(D. 37.)	88.	140	..	..	.9	Ci., Ci cu.	112	..	67
	10	15	18.9	763.30	29.956	45.5	42.3	....	.250	(A. 42.3)	83.5	170	..	..	.9	Ci., Ci-cu.	..	..	67
	12	15	19.9	762.70	29.904	49.5	45.	....	.264	3 P. M.:	77.3	200	..	..	.7	Ci., Ci-cu.	..	..	67
	14	15	22.	762.20	29.899	51.6	46.6	....	.276	(D. 39.4)	73.3	200	..	..	.9	Cu., Ci-cu.	..	..	157
	16	15	21.3	762.20	29.902	48.6	45.6	....	.287	(A. 51.)	79.	200	..	..	1.0	Ci cu.	..	..	90
	18	15	23.	762.20	29.894	47.	44.5	....	.281	9 P. M.:	82.	200	..	..	1.0	Cu., Ci-cu.	..	..	..
	20	15	23.4	762.50	29.904	46.5	44.3	....	.282	(D. 41.5)	84.5	200	..	..	1.0	Very dark	..	..	..
	22	15	21.5	762.15	29.900	45.4	43.5	....	.278	(A. 46.4)	87.	200	..	..	1.0	Very dark, Ci-cu.	..	..	..
16	0	15	21.	761.15	29.862	44.	42.8	....	.278	3 A. M.:	91.3	202	..	.01	1.0	N., raining	..	..	..
	2	15	21.6	760.50	29.834	43.4	42.4	....	.276	(D. 39.8)	92.7	217	..	..	1.0	N., slight rain	..	..	..
	4	15	22.5	759.50	29.790	42.7	41.9	....	.273	(A. 43.3)	93.	236	..	..	1.0	N	..	..	..
	6	15	22.9	759.25	29.779	43.3	42.8	....	.285	9 A. M.:	93.3	245	..	.01	1.0	N., raining	..	..	..
	8	15	21.5	758.40	29.755	43.1	42.5	....	.281	(D. 43.)	93.	265	..	.05	1.0	N., Cu.	..	..	..
	10	15	19.7	757.45	29.724	45.5	44.5	....	.298	(A. 44.4)	91.5	265	..	..	1.0	N	..	270	..
	12	15	20.	755.30	29.638	45.4	44.3	....	.295	3 P. M.:	91.5	215	.2	.02	1.0	N., raining	..	270	..
	14	15	19.8	753.55	29.571	44.5	43.7	....	.292	(D. 43.7)	92.	205	1.2	.12	1.0	N., raining	..	270	..
	16	15	20.7	753.00	29.544	44.5	43.7	....	.292	(A. 44.6)	92.5	205	1.7	.31	1.0	N., raining	..	270	..
	18	15	19.5	749.50	29.412	44.	43.	....	.282	9 P. M.:	91.	200	2.5	.12	1.0	N., Cu., Ci cu.	..	..	..
	20	15	18.6	748.90	29.393	45.	43.4	....	.280	(D. 42.)	88.2	200	7.0	.01	1.0	N., slight rain	..	..	..
	22	15	17.9	748.10	29.365	42.5	41.5	....	.268	(A. 43.)	91.5	200	4.5	.12	1.0	Slight rain	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																	
17	0	15	18.	747.00	29.321	40.	39.	....	.244	3 A. M.:	90.5	200	4.0	.13	1.0	N., scudding rain	..	..	..
	2	15	17.7	745.45	29.261	39.9	38.8	....	.241	(D. 38.5)	89.3	190	4.7	.04	1.0	N., raining	..	..	..
	4	15	19.2	744.30	29.210	39.	38.2	....	.239	(A. 39.7)	91.3	180	6.0	.07	1.0	N., raining quite fast	..	..	..
	6	15	19.4	744.25	29.206	36.8	36.	....	.221	9 A. M.:	90.5	170	4.5	.12	1.0	Raining	..	..	..
	8	15	20.5	745.40	29.247	33.8	33.3	....	.203	(D. 32.2)	90.2	180	3.5	.33	1.0	Raining	..	..	..
	10	15	19.9	744.75	29.224	33.6	32.7	....	.194	(A. 33.2)	90.	180	3.0	.20	1.0	N., S., rain	..	225	..
	12	15	20.	744.80	29.225	32.	31.7	....	.194	3 P. M.:	92.	200	2.0	.09	1.0	N., snowing	..	270	..
	14	15	21.7	744.40	29.202	32.	30.8	....	.179	(D. 26.4)	88.3	185	3.5	.02	1.0	N., snowing	..	..	..
	16	15	19.6	745.80	29.267	26.8	25.6	....	.146	(A. 28.7)	85.5	165	3.5	..	1.0	N.	..	..	..
	18	15	18.5	746.75	29.309	24.	23.5	....	.142	.....	86.	165	2.5	..	1.0	N., snowing	..	..	..
	20	15	16.5	747.00	29.329	20.	19.	....	.115	.....	81.2	165	4.0	..	1.0	N., snowing	..	..	..
	22	15	14.	747.35	29.354	19.5	18.3	....	.109	.....	77.	145	7.0	..	1.0	N., snowing	..	..	..
18	0	15	12.4	747.40	29.364	19.5	18.	....	.105	.....	73.3	145	7.0	..	1.0	N., light snow	..	..	..
	2	15	10.8	748.65	29.421	18.8	17.1	....	.099	.....	75.	160	7.0	..	1.0	N., light snow	..	..	..
	4	15	12.	749.25	29.438	19.	17.5	....	.103	.....	76.	145	6.0	..	1.0	N.	..	..	..
	6	15	14.	750.55	29.480	20.	17.9	....	.099	9 A. M.:	74.	140	3.5	..	1.0	N., light snow	..	..	..
	8	15	13.	751.80	29.534	19.3	17.5	....	.100	(D. 6.3)	73.5	145	4.3	..	1.0	Cu., Ci-cu., N	..	..	..
	10	15	14.1	753.20	29.584	19.	16.7	....	.092	(A. 19.2)	71.	130	4.0	..	1.0	Ci., Cu., Ci cu	..	..	..
	12	15	12.5	753.00	29.584	20.5	18.	....	.095	.....	69.3	130	4.0	..	1.0	Cu., Ci., Ci-s	..	..	..
	14	15	14.8	753.60	29.597	23.6	21.	....	.108	.....	68.5	130	4.0	..	1.0	Cu., Ci., Ci-s	..	..	..
	16	15	14.7	755.40	29.668	24.2	22.3	....	.122	.....	66.5	120	4.0	..	.3	Ci-cu., Ci	..	..	..
	18	15	15.	757.10	29.732	23.6	20.3	....	.098	9 P. M.:	66.3	110	3.5	..	..	Clear	..	..	..
	20	15	15.9	759.10	29.806	23.	20.1	....	.101	(D. 8.3)	66.	155	2.0	..	..	Clear	..	..	..
	22	15	13.9	760.00	29.852	23.	19.6	....	.093	(A. 22.7)	65.	130	2.5	..	..	Clear	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
20	0 15	15.4	764.75	30.032	27.6	27.	....	.161	3 A. M.:	79.4	60	2.0	..	.9	Ci s.	..	..	..
	2 15	16.	764.50	30.018	29.6	28.	....	.157	(D. 25.3)	78.	147	..	..	1.0	Ci-s., Ci-cu	..	..	..
	4 15	16.5	763.95	29.995	29.3	27.5	....	.152	(A. 29.7)	80.	186	..	..	.5	Ci	..	..	..
	6 15	15.6	764.45	30.018	26.	24.9	....	.143	9 A. M.:	80.	186	..	..	.1	Ci., S., Ci-cu	..	..	..
	8 15	17.	764.75	30.024	27.5	26.	....	.146	(D. 18.6)	81.	186	..	..	.3	Ci., Ci.cu	..	..	..
	10 15	18.3	765.10	30.030	33.8	31.3	....	.169	(A. 30.3)	68.5	230	..	..	.7	Ci	..	90	..
	12 15	17.3	763.80	29.984	35.7	31.7	....	.156	3 P. M.:	65.3	245	..	..	.8	Ci., Ci-s	..	90	..
	14 16	18.	763.30	29.961	36.	32.	....	.158	(D. 23.)	67.	210	..	..	1.0	Ci., Ci-cu	..	90	..
	16 15	18.3	762.50	29.928	33.2	31.5	....	.179	(A. 36.1)	71.	250	..	..	1.0	Ci., Ci-cu., Ci-s	..	90	..
	18 15	17.7	762.75	29.941	34.	31.	....	.162	9 P. M.:	74.3	235	..	..	1.0	Ci., Ci-cu., Ci-s	..	90	..
	20 15	17.2	763.75	29.982	33.	31.5	....	.181	(D. 28.)	80.	215	..	..	1.0	N., Ci-s	..	..	..
	22 15	16.7	762.75	29.940	32.2	30.5	....	.172	(A. 32.8)	83.	235	.3	..	.8	Ci., Ci-s., Ci-cu	..	..	..
21	0 15	15.9	762.40	29.936	31.9	31.	....	.183	3 A. M.:	84.1	255	..	..	1.0	Ci-s., N	..	..	..
	2 15	16.8	762.35	29.930	32.1	31.	....	.181	(D. 28.)	85.2	222	..	..	1.0	N., rain*	..	..	..
	4 15	18.4	762.45	29.926	31.7	31.5	....	.194	(A. 31.3)	90.5	228	1.0	..	1.0	N., rain	..	..	..
	6 15	17.7	763.65	29.976	29.	28.2	....	.166	9 A. M.:	88.3	250	1.4	..	1.0	N	..	..	..
	8 15	19.1	765.15	30.028	27.	26.1	....	.152	(D. 25.5)	89.2	235	1.5	..	1.0	Ci-s., N	..	..	..
	10 15	21.	767.00	30.093	25.9	25.1	....	.148	(A. 27.3)	89.5	265	1.0	..	1.0	Ci-s., N	..	202	..
	12 15	19.8	767.10	30.103	25.4	24.8	....	.148	3 P. M.:	90.	245	.9	..	1.0	Ci-s., N	..	202	..
	14 15	19.3	768.00	30.140	26.	24.6	....	.139	(D. 23.8)	85.	235	1.2	..	1.0	Ci-s., N., Ci-cu	..	247	..
	16 15	20.1	770.50	30.233	25.7	24.5	....	.140	(A. 26.)	84.7	210	.1	..	1.0	Ci s., N	..	225	..
	18 15	19.5	771.50	30.276	26.5	24.5	....	.132	.....	81.	195	..	..	1.0	N.? Ci-s	..	202	..
	20 15	16.1	773.00	30.351	26.5	24.	....	.124	.....	75.	215	..	..	1.0	N.? Ci-s	..	202	..
	22 15	15.	773.90	30.393	22.	20.8	....	.111	.....	73.	195	.2	..	1.0	Cu., Ci-s., Ci-cu	..	..	..

* Not sufficient to register.

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																	
22	0	15	13.9	774.80	30.433	19.7	18.6	....	.110	.....	74.	187	..	..	.2	Ci-cu., Ci s. at Hor....	..	..	..
	2	15	13.4	776.40	30.499	16.3	15.6	23.	.102	.....	73.8	202	..	..	..	Clear.....	..	..	..
	4	15	14.7	777.45	30.533	15 8	15.4	16.1	.105	.....	75.	205	..	..	..	Clear.....	..	..	..
	6	15	13.7	778.30	30.573	14.5	13.5	15.9	.092	9 A. M.:	74.8	200	..	..	.1	Ci-s. at *E.* and *S.* Hor..	..	..	..
	8	15	15.3	779.60	30.616	15 4	14.5	14.5	.096	(D. 3.2)	72.5	235	..	..	.1	Ci., Ci-cu. at Hor.....	..	..	..
	10	15	16.	780.80	30.659	16.	14.5	13.4	.090	(A. 15.)	72.7	250	.2	..	.2	Light Ci.....	..	..	..
	12	15	15.3	779.60	30.616	18.5	16.3	12.3	.091	3 P. M.:	72.	250	.1	..	.1	Light Ci., Ci cu. in *S.*.	..	..	..
	14	15	18.1	780.00	30.617	20.4	18.3	12.3	.095	(D. 9.8)	69.3	250	.2	..	.2	.....	..	..	..
	16	15	18.3	780.55	30.637	20.5	17.9	....	.093	(A. 20.5)	68.	245	.2	..	.2	Ci., Ci-cu.....	..	..	..
	18	15	17.	780.65	30.649	19.4	17.	....	.091	.....	69.9	260	..	..	.3	Ci., Ci-s.....	..	..	..
	20	15	15.6	780.85	30.663	17.	15.	....	.087	.....	69.5	245	.1	..	.9	Cu., Ci., Ci-cu.....	..	..	..
	22	15	15.6	780.75	30.660	17.5	16.2	....	.099	.....	72.1	210	..	..	1.0	Ci-s., Ci.....	..	..	..
23	0	15	13 6	779 25	30.610	17 6	16.4	....	.101	.....	76.9	225	.1	..	1.0	Ci cu., Ci-s.....	..	..	..
	2	15	13.7	779.00	30.599	18.	17.	....	.106	.....	78.9	245	..	..	1.0	Ci-cu , Ci-s.....	..	..	..
	4	15	11.	776.60	30.518	18.8	18.3	....	.116	.....	83.	258	.2	..	1.0	Ci-cu., (?).....	..	..	..
	6	15	12.8	776.30	30.498	21.6	20.9	....	.127	.....	86.	260	1.4	..	1.0	N., (?) very dark.....	..	..	..
	8	15	13.7	775.75	30.473	23 8	23.2	....	.137	.....	88.5	245	1.0	..	1.0	Ci-cu., Ci-s.....	..	..	..
	10	15	16.3	774.45	30.407	28.	27.1	....	.158	.....	89.5	245	.2	..	1.0	N., Ci-s.....	..	..	..
	12	15	17.7	772.50	30.323	34.	32.7	....	.189	.....	93.	265	..	.03	1.0	N., Ci-s., S., rain.....	..	..	..
	14	15	19.2	770.10	30.222	38.	37.	....	.227	.....	92.	255	..	.09	1.0	N., S., rain.....	..	..	..
	16	15	20.	768.35	30.150	40.5	39 5	....	.249	.....	92.	275	.2	.16	1.0	N., S., rain.....	..	..	..
	18	15	19.4	765.70	30.019	44.	43.	....	.282	.....	92.	300	1.1	.09	1.0	N., rain.....	..	..	..
	20	15	18.	763.00	29.949	47.5	47.	....	.331	.....	92.	315	2.9	.13	1.0	N., rain.....	..	..	..
	22	15	16.8	758.50	29.779	50.9	50.	....	.363	.....	92.	340	5.8	.70	1.0	N., rain.....	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																	
24	0	15	19.1	756.65	29.694	52.1	51.6	....	.388	3 A. M.:	87.1	347	9.0	.28	1.0	N., raining.....	..	..	..
	2	15	22.6	756.80	29.684	51.8	51.	....	.377	(D. 40.5)	89.2	50	8.0	.40	1.0	N., raining.....	..	..	..
	4	15	21.	757.70	29.727	45.9	42.5	....	.250	(A. 48.6)	81.	125	1.9	.25	.3	Ci-s.....	..	..	..
	6	15	20.7	759.30	29.791	41.3	38.	....	.209	9 A. M.:	77.	120	.4	..	.1	Ci-cu., S.....	..	..	..
	8	15	21.8	760.85	29.848	39.2	37.8	....	.229	(D. 23.4)	76.	120	..	..	.1	Cu., S.....	..	..	..
	10	15	21.	763.40	29.950	34.2	31.2	....	.164	(A. 38.4)	66.	130	1.2	..	.1	Ci-cu.....	..	..	..
	12	15	19.9	763.20	29.947	35.	30.	....	.135	3 P. M.:	65.	135	2.7	..	.3	Ci., Ci-cu.....	180	..	67
	14	15	20.1	763.00	29.938	35.1	30.1	....	.135	(D. 19.3)	65.	135	2.3	..	.2	Ci., Ci-cu.....	180	..	67
	16	15	19.	763 65	29.969	33.4	32.	....	.185	(A. 34.5)	65.8	135	1.6	..	.2	Ci-.....	180	..	67
	18	15	17.3	764.80	30.024	31.5	29.	....	.154	9 P. M.:	68.	125	.1	..	.9	Ci-s., Ci. in *S*.....	..	..	..
	20	15	16.7	765.30	30.046	31.	29.	....	.159	(D. 23.)	68.	145	.	..	1.0	Ci-cu.....	..	..	..
	22	15	16.7	765.40	30.050	30.5	29.6	....	.174	(A. 31.)	68.1	176	1.0	..	1.0	Ci-s.....	..	..	..
25	0	15	17.1	765.20	30.040	30.	29.	....	.169	3 A. M.:	69.	155	.2	..	1.0	Ci-s., Ci cu.....	..	..	..
	2	15	17.4	765.70	30.058	30.	29.	....	.169	(D. 20.)	70.	122	..	..	1.0	Ci-s., Ci-cu., Cu.....	..	..	..
	4	15	18.3	765.75	30.056	28.8	27.5	36.	.157	(A. 29.2)	73.	132	..	..	.2	Ci-s., Ci-cu.....	..	..	..
	6	15	18.	765.70	30.056	28.4	26.	26.7	.137	9 A. M.:	75.4	160	..	..	.7	Ci-s., Ci-cu., Cu.....	..	..	..
	8	15	18.3	766.40	30.082	30.5	30.	....	.181	(D. 19.5)	74.	160	..	..	1.0	Ci-s., Ci-cu., Ci.....	..	..	..
	10	15	18.	766.65	30.094	31.5	29.	....	.154	(A. 31.5)	71.	160	..	..	1.0	Ci-s., Ci cu., Ci.....	..	..	..
	12	15	14.2	765.25	30.057	30.8	28.	....	.145	3 P. M.:	70.3	160	.3	..	1.0	Ci-s., Ci-cu., Cu.....	..	180	..
	14	15	12.	764.75	30.048	31.8	29.5	....	.159	(D. 20.)	71.	160	.2	..	1.0	Ci s., Ci-cu., Cu.....	..	157	..
	16	15	10.5	765.15	30.070	31.	29.	....	.159	(A. 31.5)	71.	160	.1	..	1.0	S, Ci-cu., Ci-s., Cu...	..	157	..
	18	15	8.9	765.25	30.082	30.5	28.5	....	.156	.....	71.5	160	..	..	1.0	S., Ci-cu., Ci-s.....	..	157	..
	20	15	7.1	765.25	30.090	29.	26.6	....	.140	.....	72.	160	.1	..	1.0	S., Ci-cu., Ci-s.....	..	157	..
	22	15	4.	765.55	30.118	27.3	25.4	....	.138	.....	72.5	160	.2	..	1.0	.....	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																	
27	0	15	15.8	769.50	30.215	27.7	21.1	....	.129	3 A. M.:	73.2	142	..	..	..	Clear.....	..	..	..
	2	15	16.3	769.85	30.226	21.5	20.7	17.9	.125	(D. 19.8)	78.2	142	..	..	..	Clear.....	..	..	..
	4	15	16.7	770.20	30.238	21.3	20.5	18.	.124	(A. 21.5)	79	143	..	..	.2	Ci-s. at Hor.....	..	..	..
	6	15	16.8	769.85	30.226	20.4	20.	16.1	.125	9 A. M.:	79.9	143	..	..	.4	Ci-cu., Ci-s., S.....	..	..	.
	8	15	18.6	770.30	30.234	21.8	21.2	....	.129	(D. 17.5)	79.9	143	..	..	1.0	Ci-cu , Ci-s. S.....	..	..	..
	10	15	18.	771.00	30.265	24.5	23.1	....	.131	(A. 22.9)	80.5	143	..	..	1.0	Ci., Ci-s. S.....	..	..	..
	12	15	17.	769.00	30.190	28.	25.7	....	.136	3 P. M.:	78.7	30	..	..	.9	Ci., Ci-s., Ci-cu.....	..	..	..
	14	15	21.7	769.20	30.175	30.6	28.	....	.147	(D. 24.)	74.	20	..	..	.2	Ci., Ci-s., Ci-cu.....	..	..	..
	16	15	20.	768.95	30.173	28.5	27.	....	.152	(A. 29.2)	76.	20	..	..	1.0	Ci., Ci s., Ci-cu.....	..	..	..
	18	15	19.7	768.75	30.167	28.5	27.	....	.152	.....	77.8	00	..	..	1.0	S., N., Ci-cu.....	..	..	..
	20	15	18.3	768.75	30.173	29.5	28.	....	.158	.....	78.	335	..	..	1.0	S., N., Ci cu.....	..	..	..
	22	15	18.8	769.00	30.180	29.6	28.4	....	.163	.....	80.8	333	..	..	1.0	S., N., Ci-s., Ci-cu....	..	..	..
28	0	15	19.5	768.00	30.140	29.8	28.6	....	.165	3 A. M.:	80.	333	..	..	1.0	Ci-s., N.....	..	..	..
	2	15	19.	767.85	30.134	29.7	29.	....	.172	(D. 28.2)	80.3	279	..	..	1.0	N.....	..	..	..
	4	15	19.9	768.30	30.147	30.6	29.6	....	.173	(A. 30.4)	80.5	284	..	..	1.0	N.....	..	..	..
	6	15	19.9	767.75	30.125	30.	29.5	....	.177	9 A. M.:	83.7	305	..	..	1.0	N., snow.....	..	..	..
	8	15	20.6	768.25	30.143	30.4	29.5	....	.173	(D. 27.8)	88.7	285	..	.80	1.0	N., snow.....	..	..	..
	10	15	21.	768.70	30.159	32.6	31.2	....	.180	(A. 31.1)	85.5	285	..	..	1.0	N.....	..	..	..
	12	15	21.2	768.00	30.131	35.7	33.7	....	.189	3 P. M.:	83.5	20	..	..	.8	Ci., Ci-cu., Ci-s., S...	67	..	112
	14	15	20.7	767.50	30.114	35.	33.	....	.184	(D. 30.)	84.3	25	..	..	1.0	Ci-s., N.....	..	..	..
	16	15	20.6	767.65	30.119	33.2	31.8	....	.184	(A. 34.8)	86.5	25	..	..	.3	Ci., Ci-cu.....	..	..	..
	18	15	20.9	768.40	30.149	31.	30.	....	.176	.....	88.9	27	..	..	..	Clear.....	..	..	..
	20	15	21.	768.80	30.165	28.5	28.	26.	.168	.....	90.	32	..	..	..	Clear.....	..	..	..
	22	15	19.2	769.00	30.179	26.9	26.5	20.2	.160	.....	91.3	35	..	..	..	Clear.....	..	..	..

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr., height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h. m.																	
29	0 15	19.7	769.10	30.180	27.5	27.	19.7	.162	3 A. M.:	90.4	56	..	..	..	Clear	..	..	..
	2 15	20.2	770.30	30.224	29.	28.	25.	.163	(D. 24.9)	87.9	145	..	..	.5	Ci-cu., Ci-s.	..	135	..
	4 15	20.2	770.75	30.242	27.6	26.6	....	.154	(A. 28.1)	88.9	113	..	..	.7	Ci-cu., Ci-s.	..	135	..
	6 15	19.4	770.75	30.246	27.	26.2	....	.154	9 A. M.:	88.8	113	..	..	1.0	Cu., Ci-s.	..	135	..
	8 15	20.	771.80	30.285	31.	30.	....	.176	(D. 29.2)	88.	70	..	..	.8	Ci., Cu	..	112	..
	10 15	19.7	773.10	30.338	37.	34.2	56.5	.183	(A. 31.6)	80.	70	..	..	..	Ci	..	..	..
	12 15	18.5	771.40	30.276	39.	34.2	70.5	.160	3 P. M.:	71.5	140	.1	..	.2	Ci	..	90	..
	14 15	19.7	772.40	30.310	40.5	35.5	61.	.169	(D. 25.)	69.	115	..	..	.7	Ci., Cu	..	90	..
	16 15	20.5	773.20	30.338	39.	35.	....	.176	(A. 40.)	69.5	145	..	..	.8	Ci., Ci-s , Ci-cu	..	90	..
	18 15	19.6	774.20	30.381	36.	33.	....	.172	.....	72.5	145	..	..	..	Clear	..	..	..
	20 15	19.2	773.60	30.361	33.5	31.	....	.172	.....	77.8	145	..	..	..	Clear	..	..	..
	22 15	20.	773.65	30.358	33.	31.5	....	.181	.....	79.3	180	..	..	.9	Light Ci., Ci-s., N.	..	..	..
30	0 15	19.2	773.75	30.367	32.6	30.1	....	.160	3 A. M.:	79.1	192	..	..	1.0	N., light fog	..	..	..
	2 15	20.1	773.70	30.360	33.	31.7	....	.184	(D. 24.9)	80.	192	..	..	1.0	N., light fog	..	..	..
	4 15	20.6	772.00	30.290	33.1	32.1	....	.189	(A. 33.6)	80.3	192	..	..	1.0	N., Ci-cu.	..	..	..
	6 15	21.5	771.10	30.251	33.	30.7	....	.166	9 A. M.:	80.9	218	..	..	1.0	N., Ci-s	..	..	..
	8 15	19.8	770.00	30.216	33.4	32.2	....	.187	(D. 28.5)	82.	246	..	..	1.0	N., S	..	..	..
	10 15	21.	769.15	30.177	33.4	31.8	....	.180	(A. 33.5)	87.2	245	..	..	1.0	N., S., Cu	..	..	..
	12 15	20.7	767.00	30.094	34.5	34.1	....	.210	3 P. M.:	93.	190	..	.01	1.0	N., raining	..	..	..
	14 15	19.3	765.30	30.034	35.6	34.9	....	.213	(D. 34.)	92.3	175	..	.07	1.0	N., raining	..	..	..
	16 15	19.6	764.50	30.001	35.5	35.	....	.216	(A. 34.9)	92.	175	..	.06	1.0	N., rain	..	..	..
	18 15	20.6	764.00	29.976	35.6	35.	....	.215	9 P. M.:	91.3	180	..	.03	1.0	N., Ci-s	..	..	..
	20 15	19.1	763.55	29.965	34.5	34.	....	.208	(D. 34.)	93.5	175	..	..	1.0	N., S	..	..	..
	22 15	18.9	764.50	30.004	35.8	35.	....	.213	(A. 34.3)	90.	101	..	..	1.0	Ci-cu., Ci-s.	..	..	..

Date.			Barometer.			Thermometers, Fah.			Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds.		
Day.	Hour.		Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.	Radiation.				Dir., degrees.	Force, lbs.				1.	2.	3.
	h.	m.																	
31	0	15	19.6	764.60	30.006	34.6	33.5	....	.198	3 A. M.:	89.4	96	..	..	.3	Ci-cu., Ci-s.....	..	135	..
	2	15	18.1	764.75	30.019	34.7	33.6	....	.199	(D. 29.)	88.	114	..	..	.8	Ci-cu., Ci-s.....	..	..	..
	4	15	18.7	765.10	30.029	34.6	33.1	....	.190	(A. 35.2)	85.8	113	..	..	.9	Ci-cu., Ci-s., Cu., N...	..	..	..
	6	15	18.1	765.30	30.040	31.	30.3	....	.181	9 A. M.:	89.3	17	..	..	.5	Ci-s.....	..	..	..
	8	15	19.4	765.50	30.041	33.	31.	....	.173	(D. 29.)	83.4	57	..	..	.6	Ci., Ci-cu.....	..	..	..
	10	15	18.	765.30	30.040	35.	33.	64.	.184	(A. 34.4)	83.2	75	..	..	.8	Ci-s., Ci.....	..	22	..
	12	15	16.8	762.75	29.946	38.5	34.1	....	.166	3 P. M.:	72.5	110	.4	..	.5	Ci., Ci-cu., Cu.....	..	..	..
	14	15	18.6	762.75	29.937	38.5	35.4	....	.190	(D. 25.)	72.	115	1.0	..	.8	Cu.....	..	..	..
	16	15	18.2	763.20	29.955	38.5	35.	....	.183	(A. 40.)	70.	90	1.4	..	1.0	Cu.....	..	..	..
	18	15	17.	763.45	29.972	37.	35.	....	.200	.....	74.	105	.3	..	..	Clear.....	..	..	..
	20	15	17.	763.55	29.976	35.5	32.8	....	.175	.....	75.	90	..	..	..	A few Ci-cu.....	..	..	..
	22	15	16.5	764.50	30.017	36.7	34.1	....	.185	.....	73.	89	..	..	1.0	Cu., Ci-cu., Ci-s.....	..	..	..

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

METEOROLOGICAL OBSERVATIONS

ON THE

MAGNETIC AND METEOROLOGICAL TERM DAYS,

FROM JANUARY TO DECEMBER, 1841.

h. Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
22	—2.	771.20	30.369	28.3	28.1	.171	.....	93.5	ENE.	1	..	N., snowing fast	8
23	—1.	770.60	30.341	30.	30.	.186	.....	93.	ENE.	1	..	N., snowing fast	8
0	—0.5	770.15	30.320	29.5	29.	.174	.....	91.2	ENE.	2	..	N., snowing fast	8
1	—0.4	770.10	30.317	29.	28.5	.171	2h. 40m.:	91.	ENE.	3	..	Snow and hail	8
2	—0.2	769.75	30.304	28.1	27.7	.167	(D. 19.8)	92.	ENE.	3	..	Snow and hail	8
3	—0.1	768.60	30.258	29.	28.5	.171	(A. 27.6)	92.	ENE.	3	..	Snow and hail	8
Means	....	.....	30.318	29.	....	.173	.....	92.1	.....	..	..	.....	..
4	0.	768.10	30.238	30.1	29.6	.178	.....	91.7	ENE.	3	..	Snow and hail	8
5	0.5	766.50	30.172	30.5	30.	.181	.....	91.7	ENE.	2	..	Snow, hail, and rain	8
6	0.8	764.80	30.104	31.4	31.	.188	.....	93.2	ENE.	..	..	N., raining	8
7	0.9	764.00	30.072	31.5	31.	.187	.....	93.1	ENE.	..	.01	N., raining	8
8	1.	763.30	30.042	31.6	31.2	.190	.....	93.1	ENE.	..	.03	N., raining	8
9	1.5	761.85	29.985	32.3	31.9	.195	.....	94.	ENE.	..	.03	N., raining	8
Means	....	.....	30.102	31.2	....	.186	.....	92.8	.....	..	..	.....	..
10	1.3	760.60	29.936	32.	31.8	.196	.....	92.1	ENE.	..	.03	N., raining	8
11	1.7	760.00	29.910	32.5	32	.194	.....	93.	ENE.	..	.04	N., raining	8
12	1.8	758.95	29.869	32.6	32.4	.200	.....	92.7	ENE.	1	.06	N., raining	8
13	....	.....	.....	....	....	....	.....	....	ENE.	..	.05	N., raining	8
14	2.	757.50	29.811	33.2	33.	.205	.....	92.	ENE.	..	.08	N., raining	8
15	2.	757.40	29.807	33.4	33.2	.206	.....	95.	NNE.	..	.25	N., raining	8
Means	....	.....	29.867	32.7	....	.200	.....	93.	.....	..	..	.....	..
16	2.3	757.00	29.790	33.7	33.5	.208	.....	95.	NNE.	..	.67	N., raining	8
17	2.4	756.60	29.773	34.	33.7	.209	.....	94.5	NNE.	..	.12	N., raining	8
18	2.7	754.75	29.700	35.1	34.6	.213	.....	93.5	NNE.	..	.10	N., raining	8
19	3.	754.30	29.681	34.7	34.5	.216	.....	93.5	NW.	..	.04	N., raining	8
20	3.	754.30	29.681	34.6	34.3	.213	.....	93.5	NNW.	..	.01	N., raining	8
21	3.4	754.50	29.687	34.6	34.3	.213	.....	94.	NW.	..	.02	N.	8
Means	....	.....	29.719	34.4	....	.212	.....	94.	.....	..	..	.....	..

h. Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
22	8.5	761.40	29.932	46.3	40.8	.210	.....	70.	SW.	..	..	Ci., Ci-cu., Ci-s.	7
23	8.6	761.70	29.944	44.	39.	.199	.....	73.	SW.	..	..	Ci-cu.	7
0	9.	761.70	29.942	41.	37.	.193	.....	75.4	SSW.	..	..	Ci., Ci-cu.	8
1	8.8	761.55	29.937	40.2	38.	.221	2h. 40m.:	85.8	S. by W.	..	..	Ci., Ci-cu., N	8
2	9.	761.20	29.922	39.6	37.6	.221	(D. 36.)	87.	S. by W.	..	..	N	8
3	9.	761.10	29.918	38.8	37.2	.222	(A. 38.8)	88.3	S. by E.	..	..	N.	8
Means	....	.....	29.932	41.6	....	.211	.....	79.9	.....	..	..	.....	..
4	8.7	759.90	29.873	38.3	37.	.223	.....	91.	S.	..	..	N.	8
5	8.7	759.50	29.857	37.7	36.7	.224	.....	93.	S	..	..	N., raining	8
6	8.5	758.00	29.798	37.4	36.9	.231	.....	93.7	ESE.	..	..	N., raining	8
7	8.2	756 85	29.754	38.	37.5	.236	8h. 40m.:	93.	SE.	..	..	N., raining	8
8	8.2	755.65	29.707	38.7	38.5	.249	(D. 39.)	92.3	SSE.	..	..	N., raining	8
9	8.	754.05	29.647	39.5	39.5	.260	(A. 39.)	92.2	SE. by S.	..	..	N., raining	8
Means	....	.....	29.773	38.3	....	.237	.....	92.5	.....	..	..	.....	..
10	8.5	753.95	29.640	41.	40.8	.270	.....	92.	SSE.	..	..	N., raining	8
11	8.4	753.00	29.603	42.	41.8	.279	.....	91.5	S.	..	..	N., raining	8
12	8.6	752.95	29.601	41.9	41.6	.277	.....	91.6	SSW.	..	..	N.	8
13	8.6	752.90	29 599	41.9	41.7	.279	14h. 40m.:	91.5	SW.	..	.06	Very foggy	8
14	8.8	752.70	29.589	41.7	41.6	.279	(D. 40.6)	91.5	SW.	..	..	Very foggy	8
15	8.9	752.10	29.565	42.	41.9	.281	(A. 42.)	91.5	WSW.	..	..	Very foggy, raining	8
Means	....	.....	29.599	41.7	....	.277	.....	91.6	.....	..	..	.....	..
16	8.9	752.25	29.571	42.2	42.	.281	.....	91.	W.	..	.03	N., raining	8
17	9.3	752.60	29.583	42.6	42.5	.287	.....	91.	W.	..	..	N., foggy	8
18	9.1	752.60	29.584	43.	42.	.272	.....	89.	W.	..	..	N., Ci-cu	8
19	9.1	752.50	29.580	42.1	40.8	.257	20h. 40m.:	87.5	WNW.	..	.08	N., raining	8
20	9.	752.85	29.595	42.1	39.5	.231	(D. 37.5)	82 5	WNW.	..	.02	N., Cu., Ci-cu	7
21	9.3	753.30	29.610	43.5	39.8	.222	(A. 43.5)	78.5	WNW.	..	..	Ci., Ci-cu., Ci-s., N	8
Means	....	.....	29.587	42.6	....	.258	.....	86.6	.....	..	..	.....	..

Göttingen time. h.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah. Göttingen time.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
22	14.8	760.20	29.856	58.2	45.7	.182	.....	55.5	WNW.	..	..	Clear	..
23	15.	760.40	29.862	57.	47.3	.231	.....	57.	SW. by W.	..	..	Clear	..
0	14 7	760 70	29.876	52.3	45.5	.244	.....	66.5	SW. by W.	..	..	Clear	..
1	14.6	761.40	29.903	49.4	44 2	.248	2h. 40m.:	69.	SW.	..	..	Clear	..
2	14.3	761.90	29.924	49.	42.5	.215	(D. 36.6)	69.3	SW.	..	..	Clear	..
3	14.	762.20	29.938	44.2	41.	.238	(A. 44.2)	82.	SW.	..	..	Clear	..
Means	....	.....	29.893	51.7	....	.226	.....	66.5	.....	..	..	.....	..
4	13.2	762.30	29.944	42.5	40.1	.238	.....	86.	SW.	..	..	Clear	..
5	13.	762.20	29.942	41.4	39.7	.243	.....	87.	SW.	..	..	Clear	..
6	12.5	762.85	29.971	40.	38.1	.225	.....	87.3	SW.	..	..	Clear	..
7	12.2	762 90	29.974	39.3	37.7	.226	8h. 40m.:	90.6	SW. by S.	..	..	S.	½
8	11.8	762.95	29.977	38.4	37.2	.226	(D. 36.7)	92.3	SW. by S.	..	..	Cu-s., (?)	1
9	11.3	763.25	29.991	38.2	37.3	.230	(A. 38.6)	93.	SW. by S.	..	..	Ci-cu., Cu-s	2
Means	....	.....	29.966	40.	....	.231	.....	89.4	.....	..	..	.....	..
10	10.7	763.50	30.004	38.	37.	.227	.....	93.7	SW. by S.	..	..	S., Ci-s., Cu., N. (?)	3
11	10.6	764.00	30.025	37.	36.	.219	.....	93.8	SW. by S.	..	..	Ci., Ci-s.	1
12	10.5	764.55	30.047	35.8	35.2	.216	.....	92.5	SW. by S.	..	..	Ci	¼
13	10.4	764.55	30.048	42.1	40.	.252	.....	....	SW. by S.	..	..	Ci	¼
14	11.	765.20	30.069	46.	42.2	.242	.....	79.7	SW. by S.	..	..	Clear	..
15	11.5	765.20	30.068	51.4	45.8	.259	.....	74.	SSW.	..	..	Clear	..
Means	....	.....	30.043	41.7	....	.236	.....	86.7	.....	..	..	.....	..
16	12.3	765.00	30.056	55.7	48.5	.273	.....	70.3	SW. by S.	..	..	Clear	..
17	13.2	765.00	30.050	59.	51.1	.299	.....	66.3	SW. by S.	..	..	Clear	..
18	14.	764.60	30 033	61.3	53.	.321	.....	67.2	SSW.	..	..	Clear	..
19	15.	764 30	30.015	62.6	52.	.281	21h. 20m.:	64.5	SW.	1	..	Clear	..
20	16.	764.10	30.002	64.	52.3	.273	(D. 43.)	62.	SW.	1	..	Clear	..
21	16 7	763.75	29.985	63.7	51.6	.258	(A. 64.)	61.5	SW.	1	..	Clear, hazy	..
Means	....	.....	30.023	61.	....	.284	.....	65.3	.....	..	..	.....	..

h. Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
22	14.	761.75	29.921	48.	46.5	.314	.....	89.	NNW.	..	..	N., raining	8
23	13.5	762.00	29.931	48.6	45.2	.279	.....	81.	NNW.	..	..	N., Ci-cu	8
0	13.2	762.60	29.956	46.9	43.1	.251	.....	81.	NNW.	..	..	N., Ci-cu	8
1	13.	763.25	29.983	45.5	42.	.243	.....	81.	NNW.	..	..	N., Ci-cu	8
2	12.6	763.10	29 980	44.5	41.	.235	.....	81.	NNW.	..	..	Ci., Ci-cu	3
3	12.	764.00	30.018	43.2	40.	.228	37.3	81.	NNW.	..	..	Ci., Ci-cu	4
Means	....	.....	29.965	46.1	....	.258	.....	82.3	.....	..	..	.....	..
4	11.6	764.10	30.023	42.2	39.2	.221	.....	81.8	NNW.	..	..	Dark	4
5	11.3	763.90	30.017	41.6	38.6	.218	.....	82.	NNW.	..	..	Dark	4
6	11.1	763.80	30.014	41.4	38.5	.218	.....	82.	NNW.	..	..	Dark	4
7	10.9	763.90	30.020	41.4	38.6	.220	.....	82.5	NNW.	..	..	Dark	6
8	10.9	763.90	30.019	41.	38.4	.220	.....	83.	NNW.	..	..	Dark	8
9	10.3	763.85	30.020	40.3	38.	.220	.....	85.5	NNW.	..	..	Ci., Ci-cu	4
Means	....	.....	30.019	41.3	....	.219	.....	82.8	.....	..	..	.....	..
10	10.	763.65	30.013	40.	37.5	.214	.....	85.	N.	..	..	Ci., Ci-cu	5
11	9.9	763.50	30.007	39.9	37.6	.217	.....	85.	N. by E.	..	..	Ci., Ci-cu	3
12	10.2	763.80	30.018	43.5	41.6	.258	.....	82.	NNE.	..	..	Ci., Ci-cu	2
13	....	.....	.....	....	....	....	.....	....	NE.	..	..	.....	..
14	11.	764.00	30.022	46.	42.	.237	.....	79.	NE.	..	..	Ci., Ci cu	7
15	10.7	764.25	30.034	45.6	42.1	.244	35.8	79.	ENE.	..	..	Ci., Ci-cu., N	8
Means	....	.....	30.019	43.	....	.234	.....	82.	.....	..	..	.....	..
16	10.8	764.15	30.030	46.2	42.2	.239	.....	79.	ENE.	..	..	Cu., Ci-cu., Cu-s	8
17	11.	764.00	30.022	48.6	43.8	.247	.....	72.	ENE.	..	..	Cu., Ci-cu., Cu-s	8
18	11.2	763.15	29.988	49.8	45.1	.262	.....	77.	ENE.	..	..	Cu., Ci-cu., Cu-s	8
19	11.3	763.30	29.993	48.9	44.	.249	.....	76.5	NE.	..	..	Cu , Ci-cu., Cu-s	8
20	11.3	763.15	29.987	48.3	43.6	.246	.....	77.	NE.	..	..	Cu., Ci-cu., Cu-s	8
21	11.3	762.25	29.952	48.1	44.1	.260	39.4	79.	NE.	..	..	Cu., Ci-cu., N	8
Means	....	.....	29.995	48.3	....	.250	.....	76.7	.....	..	..	.....	..

h. Göttingen time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
22	25.5	765.50	30.017	77.3	72.	.716	.....	79.2	SSW.	..	..	Cu., Ci-cu	6
23	25.3	764.50	29.974	74.	70.7	.707	.....	86.	SSW.	..	..	N., Ci-cu	7
0	25.3	764.50	29.974	74.6	70.	.676	.....	84.	SSW.	..	..	Cu., Ci-cu., Ci-s., Cu-s	7
1	25.3	764.95	29.992	70.5	66.5	.603	.....	85.	SW. by S.	..	..	Ci-cu., Ci-s., Ci	2
2	24.7	764.90	29.993	68.5	65.6	.598	.....	85.5	SW. by S.	..	..	Ci-cu., Ci s	1
3	24.2	765.10	30.002	67.1	65.2	.600	64.	91.	S.	..	..	Ci-cu., Ci-s	½
Means	....	.....	29.992	72.	....	.650	.....	85.1	.....	..	..	.....	..
4	24.	764.85	29.994	66.2	64.5	.588	.....	92.	S. by W.	..	..	Ci-s	1
5	24.	764.90	29.996	65.5	64.	.580	.....	92.5	S. by W.	..	..	C-is	1
6	23.8	764.70	29.988	64.7	63.5	.575	.....	92.4	S. by W.	..	..	Ci s	1
7	23.8	764.55	29.982	64.5	63.5	.577	.....	92.5	S. by W.	..	..	Ci-s	2
8	23.1	764.25	29.975	64.5	63.6	.580	.....	92.5	S. by W.	..	..	N	8
9	22.9	764.20	29.974	65.	64.	.586	.....	92.5	SSW.	..	..	N	8
Means	....	.....	29.985	65.1	....	.581	.....	92.4	.....	..	..	.....	..
10	22.8	764.00	29.966	65.	64.	.586	.....	92.5	SSW.	..	..	N	8
11	22.7	764.60	29.990	65.	64.2	.592	.....	92 5	SSW.	..	..	N	8
12	22.6	764.45	29.985	65.2	64.5	.599	.....	93.	SSW.	..	..	N	8
13	22.2	764.90	30.004	66.5	65.5	.617	.....	92.5	SSW.	..	..	N	8
14	22.	764.50	29.990	69.	66.6	.624	.....	88.5	SSW.	..	..	N., Cu	8
15	22.7	764.50	29 986	72.6	70.	.698	.....	88.5	SSW.	..	..	Ci., Ci-cu	7
Means	....	.....	29.987	67.2	....	.619	.....	91.2	.....	..	..	.....	..
16	23.	764.35	29.979	73.2	69.2	.663	65.	85.5	SSE.	..	..	Ci., Ci-cu., N	8
17	23.1	763.95	29.963	72.5	68.2	.638	.....	85.1	SW. by S.	..	..	Ci-s., Cu-s	8
18	23.8	763.50	29.940	73.4	70.5	.707	.....	83.5	S. by W.	..	..	Ci-s., Cu-s	6
19	23.8	763.60	29.920	73.6	68.5	.636	.....	81.8	SW.	..	..	Ci-s., Cu-s	6
20	24.5	762.60	29.903	75.1	68.8	.628	.....	79.5	SW.	..	..	Ci., Cu., Ci-s., Cu-s	7
21	25.3	762.05	29.877	77.5	69.8	.637	.....	76.	SW. by W.	..	..	Ci., Cu., Ci-s., Cu-s	8
Means	....	.....	29.930	74.2	....	.651	.....	81.9	.....	..	..	.....	..

Göttingen time. h.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds. 1.	2.	3.
22	28.	759.15	29.750	83.8	77.	.835	.....	83.	SE.	..	..	.7	Cu, Ci-cu., N., Cu-s.	..	..	..
23	28.4	758.80	29.735	84.9	79.1	.909	.....	81.9	S.	..	..	.6	Ci cu., Cu-s., Cu	..	45	..
0	28.4	758.95	29.741	83.	78.	.885	.....	84.7	SSW.	..	..	.9	Cu., Ci cu., Cu-s	90	45	45
1	28.	759.25	29.754	78.	75.	.821	.....	89.2	SW.	..	..	.3	Cu s., Ci-s., Ci	90	67	90
2	27.3	759.50	29.767	75.	73.	.779	.....	90.3	SW.	..	..	.2	Ci., Cu., Ci-s., Cu s	90	90	90
3	27.	759.70	29.777	74.5	73.	.785	70.5	91.7	SW.	..	..	.3	Cu-s., Ci-s. in *W.*	..	..	..
Means	....	.....	29.754	79.9	....	.836	.....	86.8	.....	..	..	..	.....	..	..	..
4	26.7	759.60	29.774	73.5	72.	.759	.....	91.7	SW.	..	..	.9	Cu s. (?)	..	..	..
5	26.3	759.55	29.775	73.5	72.	.759	.....	92.	SW.	..	..	1.0	Cu s. (?)	..	..	..
6	26.2	759.50	29.773	73.2	71.9	.759	.....	92.3	SW.	..	..	1.0	Ci-cu., N., rain	..	..	..
7	26.	759.25	29.764	71.5	70.1	.714	.....	92.	WSW.	..	..	.4	Ci cu., Cu s	..	..	..
8	25.9	758.90	29.751	71.5	70.2	.718	.....	92.	WSW.	..	..	.6	Foggy, S	..	..	..
9	25.5	759.30	29.768	69.6	67.8	.657	.....	92.	WSW.	..	..	1.0	Ci., Ci s	..	..	..
Means	....	.....	29.767	72.1	....	.728	.....	92.	.....	..	..	..	.....	..	..	..
10	25.1	759.75	29.788	68.8	67.2	.646	.....	92.5	WSW.	..	..	1.0	Foggy, S	..	..	..
11	25.2	759.80	29.790	70.6	70.1	.724	.....	92.3	WSW.	..	..	.7	Ci., Ci-cu., foggy	..	..	..
12	25.2	759.75	29.787	71.5	70.8	.738	.....	92.	SW.	..	..	..	.....	..	..	..
13	25.3	760.50	29.817	74.3	72.8	.780	.....	86.7	WNW.	..	..	.6	Ci., Ci-cu., Ci s., Cu	..	..	..
14	25.9	760.55	29.816	76.8	73.9	.792	.....	88.5	NNW.	..	..	.5	Ci cu., Ci-s., Ci	..	..	..
15	26.5	760.50	29.812	79.5	74.2	.774	.....	83.	SW.	..	..	.7	Cu., Ci cu., Ci-s	270	315	..
Means	....	.....	29.802	73.6	....	.776	.....	89.2	.....	..	..	..	.....	..	..	..
16	27.3	760.70	29.815	82.2	77.	.853	71.2	81.	SW.	..	..	.6	Cu., Ci., Ci-cu., Ci s.	270	337	90
17	28.	761.00	29.823	83.5	77.7	.867	.....	80.	SW.	..	..	.6	Cu, Ci., Ci cu., Ci-s.	0	45	0
18	28.5	760.90	29.817	85.1	78 2	.870	.....	80.3	SW.	..	..	.5	Cu., Ci., Ci-cu., Ci-s.	0	0	90
19	29.3	760.75	29.808	85.	77.5	.842	.....	79.	SW.	..	..	.5	Ci., Cu., Cu-s	90	45	90
20	29.8	760.65	29.802	84.9	77.	.823	.....	79.	SW.	..	..	.3	Ci., Cu., Cu-s	45	..	90
21	30.2	760.60	29.797	85.7	74.5	.717	.....	72.5	WSW.	..	..	.4	Ci. and Ci-cu., Ci-s	45	90	..
Means	....	.....	29.810	84.4	....	.829	.....	78.6	.....	..	..	..	.....	..	..	..

h.	m.	Observatory time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 10ths.	Direction of the strata of clouds. 1.	2.	3.
4	15*	.....	24.2	768.45	30.135	70.	69.	.693	.....	92.7	SSW.	..	..	Ci-s., N.....	1.0	..	..	..
5	15	.....	24.2	768.60	30.141	70.4	69.5	.705	.....	92.6	SW.	..	..	Ci-s., N.....	1.0	..	..	..
6	15	.....	24.	768.40	30.133	70.8	69.7	.708	.....	92.8	SW.	..	..	N.....	1.0	..	..	..
7	15	.....	24.3	768.55	30.138	72.6	71.	.733	.....	90.8	SW.	..	..	S., N., Ci-s., Cu-s.....	1.0	..	..	..
8	15	.....	25.4	768.60	30.134	76.	72.2	.738	.....	85.5	WSW.	..	..	Cu., Ci-s., Ci cu.....	.8	..	..	..
9	15	.....	26.1	768.60	30.132	78.5	73.7	.765	.....	84.	SSW.	..	..	Cu., Ci-cu.....	.8	..	..	..
Means		.....	....	.....	30.105	73.	....	.724	.....	89.7	.....	..	..	.....	..	..	..	..
10	15	.....	27.	768.50	30.124	81.	74.7	.774	.....	81.	SSW.	..	..	Ci., Cu., Ci-cu., Ci-s...	.6	90	..	90
11	15	.....	27.8	768.10	30.104	82.2	74.8	.766	.....	75.5	SSW.	..	..	Cu., Ci-cu., Ci-s.....	.4	..	..	..
12	15	.....	28.8	767.50	30.074	83.	73.6	.709	.....	74.	SSW.	.6	..	Cu., Ci-cu., Ci-s.....	.3	..	90	..
13	15	.....	29.4	767.15	30.058	84.8	74.5	.725	.....	71.3	SW.	1.0	..	Ci., Cu., Ci-cu.....	.4	..	..	..
14	15	.....	29.8	766.50	30.032	84.3	74.	.714	.....	71.5	SW.	.9	..	Cu., Ci-cu.....	.5	..	90	..
15	15	.....	30.3	766.00	30.008	86.	74.2	.700	.....	69.1	SW.	1.2	..	Cu., Ci-cu.....	.33	..	..	..
Means		.....	....	.....	30.067	83.6	....	.731	.....	73.7	.....	..	..	.....	..	..	..	..

*For the omitted observations, see meteorological term day of July.

Observatory time. h.	m.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Therm'rs, Fah. Dry.	Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 10ths.	Direction of the strata of clouds. 1.	2.	3.
16	15	25.	761.75	29.867	76.	71.6	.716	.....	85.	WNW.	..	..	Cu., Ci cu., N	1.0	..	67	..
17	15	25.2	761.90	29.872	76.3	72.	.728	.....	83.8	N.	..	..	Cu , Ci-cu., N	1.0	..	45	..
18	15	25.2	762.05	29.877	75.4	71.8	.729	.....	86.	N.	..	..	Cu., Ci., N	1.0	..	67	..
19	15	25.3	762.40	29.891	74.4	72.	.749	.....	89.	N.	..	..	Cu., N	1.0	..	..	..
20	15	25.1	763.20	29.922	73.8	71.2	.726	.....	89.	N.	..	..	Cu., N	1.0	..	..	..
21	15	25.1	763.00	29.915	73.	71.	.729	.....	90.	NNE.	..	..	Cu., Ci-cu., Ci-s	1.0	..	..	..
Means		....	.....	29.891	74.8	....	.730	.....	87.1	.....	..	..	.....	..	..	..	..
22	15	25.1	763.10	29.918	72.5	71.	.734	.....	91.	NE.	..	..	Ci-s., N	1.0	..	..	..
23	15	25.3	763.30	29.926	72.	71.	.740	.....	93.	NE.	..	..	Slight rain, Ci-s., N., Cu.	1.0	..	..	..
0	15	25.4	763.50	29.933	71.5	70.2	.717	.....	93.	NNE.	..	..	Slight rain, Ci-s , N., Cu.	1.0	..	..	..
1	15	25.3	763.35	29.928	71.3	70.	.713	.....	92.3	NNE.	..	..	Ci-s., Cu-s., N	1.0	..	..	..
2	15	25.2	763.15	29.920	71.	69.7	.705	.....	92.	NNE.	..	..	Ci-cu., Cu-s., (?) N	1.0	..	..	..
3	15	25.1	763.00	29.915	71.2	70.	.714	.....	92.	NE.	..	..	Ci-cu., N	1.0	..	..	..
Means		....	.....	29.923	71.6	....	.721	.....	92.2	.....	..	..	.....	..	..	..	..
4	15	25.	762.85	29.910	70.8	70.	.718	.....	93.	NE.	..	..	Cu-s., (?) Ci-s	1.0	..	..	..
5	15	25.1	763.35	29.929	71.1	70.6	.736	.....	92.	NE.	..	..	Ci-s., hazy	1.0	..	..	..
6	15	25.	763.80	29.947	71.5	71.	.745	.....	92.5	ESE.	..	..	S., Ci-s	1.0	..	..	..
7	15	25.	763.80	29.947	72.	71.2	.747	.....	92.7	E.	..	..	S., Ci-s	1.0	..	..	..
8	15	25.	764.00	29.955	73.	71.7	.753	.....	92.	ESE.	..	..	S., Ci-s., N. (?)	1.0	..	270	..
9	15	25.	764.10	29.959	74.5	72.5	.766	.....	90.5	ENE.	..	.	Ci-s., N	1.0	..	270	..
Means		....	.....	29.941	72.2	....	.744	.....	92.1	.....	..	..	.....	..	..	..	..
10	15	25.	764.20	29.963	74.7	73.2	.789	.....	91.	ESE.	..	.03	Ci s., S., N., rain	1.0	..	270	..
11	15	25.2	764.20	29.962	75.5	74.	.811	.....	91.3	SE.	..	.02	Ci-s., S., N., fine rain	1.0	..	270	..
12	15	25.5	764.15	29.958	77.	73.9	.789	.....	90.4	E.	..	.02	Ci s., S., N., showers	.95	..	270	..
13	15	25.9	763.80	29.943	79.	75.5	.829	.....	87.3	SSE.	..	..	Ci., Cu., Ci-cu., N	.8	315	..	90
14	15	26.	763.70	29.938	75.5	74.	.810	.....	90.3	ESE.	.3	.03	N., rain	1.0	..	337	..
15	15	26.	763.80	29.943	75.3	74.	.813	.....	91.2	ESE.	..	.25	N., rain	1.0	..	315	..
Means		....	.....	29.951	76.2	....	.807	.....	90.3	.....	..	..	.....	..	..	..	..

Observatory time. h. m.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 10ths.
16 15	20.4	759.00	29.781	65 5	61.	.490	.....	82.5	ENE.	..	..	Cu., Ci-s., S.	1.0
17 15	20.5	759.00	29.779	64.5	61.	.502	.....	85.	ENE.	..	..	Cu., Ci s., S.	1.0
18 15	20.6	758.80	29.772	63.6	60.	.482	.....	86.	ENE.	..	..	Cu., Ci-s., S.	1.0
19 15	21.	759.00	29.777	63.	60.5	.505	.....	88.	ENE.	..	.	Ci-s. ?	1.0
20 15	21.	759.30	29.789	62.8	59.8	.486	.....	87.	ESE.	..	..	Ci-s. ?	1.0
21 15	20.8	759.50	29.798	61.5	59.5	.493	.....	88.3	S.	..	..	Ci-s. ?	.8
Means	....	.....	29.783	63.5	....	.493	.....	86.1	.....	..	..	.....	..
22 15	20.7	759.10	29.783	60.3	58.5	.478	.....	90.5	SE.	..	..	Ci-s. ?	.5
23 15	20.6	759.10	29.783	59.4	58.	.473	.....	91.5	ESE.	..	..	?	.6
0 15	20.3	758.95	29.780	60.	58.5	.481	.....	87.	ESE.	..	..	N. ?	1.0
1 15	20.2	758.90	29.778	60.3	58.3	.472	.....	89.	ESE.	..	..	Cu., S.	1.0
2 15	20.	758.55	29.765	59.5	57.7	.465	.....	89.	ENE.	..	..	Overcast	1.0
3 15	20.	758.40	29.759	59.5	58.1	.475	.....	89.	SE.	..	..	Cu	1.0
Means	....	.....	29.775	59.8	....	.474	.....	89.3	.....	..	..	.....	..
4 15	19.8	758.35	29.759	60.2	58.2	.470	.....	88.	ESE.	..	..	Cu., S	1.0
5 15	19.7	758.55	29.767	60.5	58.5	.476	.....	89.5	ESE.	..	..	Cu., S.	1.0
6 15	19 7	758 70	29.773	59.5	57.5	.458	.....	91.5	ENE.	..	..	Cu., S., Ci.s.	.9
7 15	19.2	758 65	29.773	62.2	59.5	.485	.....	88.7	E.	..	..	Ci., Cu., Ci cu., S.	.8
8 15	19.8	758.65	29.771	65.2	62.	.523	.....	87.	E.	..	..	Ci., Cu., Ci cu., S.	.4
9 15	20.2	758 70	29.770	68.	64.	.553	.....	85.5	ESE.	.1	..	Ci., Cu., Ci-cu. Ci-s., *S.*	.6
Means	....	.....	29.769	62.6	....	.494	.....	88.4	.....	..	..	.....	..
10 15	20.6	758.50	29.760	68.1	64.5	.566	.....	87.	ESE.	.1	..	Cu., Ci-cu , Ci-s., showery, *S.*	1.0
11 15	20.8	758.50	29.759	68.	65.7	.607	.....	89.	ESE.	.1	.02	Cu., Ci-s., S., N., showery	1.0
12 15	21.	758.05	29.740	69.5	66.5	.614	.....	88.5	ESE.	..	.01	Cu., Ci-s., showery, *SE*	1.0
13 15	21.1	757.75	29.729	69.7	66.3	.607	.....	87.5	ESE.	.2	..	Cu., Ci-s., N., *SE*	1.0
14 15	21.2	757.65	29.725	69.3	66.3	.610	.....	88.	SE.	.2	..	Cu., Ci-s., N., *SE*	1.0
15 15	21.2	757.85	29.733	67.8	65.5	.603	.....	88.	ESE.	.2	..	Cu., Ci-s., N., *SE*	1.0
Means	....	.....	29.741	68.7	....	.601	.....	86.	.....	..	..	.....	..

h.	m.	Observatory time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 10ths.
16	15	.....	....	.....	.....	....	....	....	.....	....	.....	1.3	..	.....	..
17	15	.....	14.3	748.60	29.401	....	....	....	.....	80.	.....	..	..	Cu., Ci-cu from *SW*	..
18	15	.....	....	.....	.....	....	....	....	.....	....	.....	..	..	.....	..
19	15	.....	14.3	749.00	29.416	48.6	45.	.274	.....	77.	W.	..	..	Clear	.
20	15	.....	14.	749.10	29 421	47.7	43.3	.249	.....	77.	WNW.	.3	..	Clear	..
21	15	.....	13.8	749.00	29 419	45.4	41.9	.243	.....	79.2	W.	..	..	Clear	..
Means		.....	....	.....	29.414	47.2	....	.255	.....	78.3	.....	..	..	.....	..
22	15	.....	13.3	748.85	29.415	42 8	40.8	.250	.....	86.	SW.	..	..	Clear	..
23	15	.....	13.	748.35	29.398	41.5	39.9	.245	.....	87.5	SW.	..	..	Clear	..
0	15	.....	12.8	747.90	29.382	42.5	40.6	.249	.....	87.	WSW.	..	..	Cu., S.	.3
1	15	.....	12.2	747.90	29.385	40.8	39.5	.246	.....	89.	SSW.	.2	..	Cu., S. ?	.5
2	15	.....	11.8	747 60	29.374	43.5	41.2	.251	.....	85.	WSW.	..	..	Overcast	1.0
3	15	.....	11.8	747.35	29.365	43.3	41.2	.253	.....	87.	WSW.	..	..	Overcast	1.0
Means		.....	....	.....	29.387	42.4	....	.249	.....	86.9	.....	..	..	.....	..
4	15	.....	12 5	747.50	29.368	44.2	41.9	.257	.....	87.	SW.	..	..	Overcast	1.0
5	15	.....	12.7	747.70	29.374	44.3	42.3	.264	.....	88.3	SW.	..	..	S., Ci-cu	1.0
6	15	.....	12.7	747.90	29.382	44.8	42.3	.259	.....	83.5	SW.	..	..	S., Cu	.9
7	15	.....	12.3	747.90	29.385	46.5	43 4	.264	.....	83 5	WNW.	..	..	S., Cu	.9
8	15	.....	12.5	748.30	29.399	48.2	45.	.279	.....	82.5	WNW.	..	..	Ci-cu., Cu., *WNW*	.3
9	15	.....	13.2	748.40	29.398	49.8	44.	.240	.....	76.	WNW.	..	..	Cu., *NW*	.7
Means		.....	....	.....	29.[illegible]84	46.3	....	.260	.....	83.5	.....	..	..	.....	..
10	15	.....	13.7	748.35	29.[illegible]95	50.6	43.1	.211	.....	69.3	WNW.	..	..	Cu., *NW*	.3
11	15	.....	13.9	748.50	29.400	50.7	42.5	.198	.....	66.5	W.	..	..	Cu., *NW*	.5
12	15	.....	14.	748.35	29.393	51.6	42.6	.190	.....	63.	WNW.	..	..	Cu.. *NW*	.8
13	15	.....	14.1	748.25	29.389	51.7	44.5	.230	.....	65.	WNW.	..	..	Cu., *NNW*	1.0
14	15	.....	14.5	748.10	29.381	52.5	46.	.254	.....	65.	WNW.	..	..	Cu., *NNW*	.6
15	15	.....	15.	748.35	29.389	51.8	43.8	.214	.....	65.5	WNW.	2.2	..	Cu., *NW*	.9
Means		.....	....	.....	29.392	51.5	....	217	.....	65.8	.....	..	..	.....	..

Observatory time. h. m.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 10ths.
16 15	10.	751.40	29.532	46.8	46 2	.321	.....	92.	NE.	..	..	N., S.	1.0
17 15	10.2	752.10	29.559	46.3	45.8	.318	.....	92.	NE.	..	..	N., slight rain, S.	1.0
18 15	10.6	752.50	29.574	46.	45.5	.314	.....	92.	SSE.	..	..	N., rain, S	1.0
19 15	10.9	753.00	29.592	45.7	45.2	.311	.....	92.	S.	..	.02	N., slight rain, S	1.0
20 15	11.	753.55	29.612	46.	45.5	.314	.....	92.	WSW.	..	.04	N., slight rain, S	1.0
21 15	11.2	754.40	29.646	46.5	45.1	.300	.....	90.	NW.	..	.01	N., Ci-s.	1.0
Means	....	.....	29.586	46.2	....	.313	.....	91.7	.....	..	..	.....	..
22 15	11.2	755.65	29.695	41.5	39.8	.244	.....	87.	NW.	.2	..	N., S, Ci-s	1.0
23 15	11.9	756.30	29.716	39.2	37.	.213	.....	84.5	NNW.	.8	..	S., Ci-s.	1.0
0 15	11.6	756.65	29.730	35.7	33.	.176	.....	80.9	WNW.	1.0	..	N., Ci-s.	1.0
1 15	11.	757.45	29.765	34.2	30 3	.149	.....	78.	NW.	1.5	..	Ci-s.	1.0
2 15	10.5	758.75	29.819	32.7	30.1	.160	.....	82.2	WNW.	.8	..	Ci-cu., Ci-s.	.4
3 15	10.	759.40	29.846	32.6	30 6	.170	.....	77.5	WNW.	..	..	Ci-cu., Ci-s.	1.0
Means	....	.....	29.762	36.	....	.185	.....	81.7	.....	..	..	.....	..
4 15	9.7	759.70	29.860	32.2	29 3	.152	.....	75.5	WNW.	.5	..	Ci-cu., S	1.0
5 15	9.3	760.90	29.909	31.6	28.4	.143	.....	75.	WNW.	.8	..	Cu., Ci-cu., S	1.0
6 15	9.1	761.10	29.917	31.5	28.3	.143	.....	75.	W.	1.0	..	Cu., Ci-cu., S	1.0
7 15	8.3	761.75	29.947	31.4	28.3	.144	.....	74.6	W.	.6	..	Cu., Ci-cu., S	1.0
8 15	7.5	762.60	29.985	30.5	26.9	.129	.....	70.	WNW.	1.7	..	Cu.	.9
9 15	7.	763.00	30.003	31.	26.5	.118	.....	68.	W.	2.2	..	Cu., Ci. (Clouds moving *WNW.*)	.6
Means	....	.....	29.937	31.4	....	.138	.....	73.	.....	..	..	.....	..
10 15	7.3	763.30	30.013	31.5	26.8	.117	.....	66.5	W.	2.5	..	Ci., Cu., *WNW.*	.7
11 15	7.7	764.35	30.052	30.2	26.	.118	.....	68.	WNW.	2.4	..	Cu. *WNW.*	.9
12 15	7.8	764.30	30.050	30.	25.5	.112	.....	67.5	WNW.	2.0	..	Cu, *NNW.*	.3
13 15	8.	764.70	30.065	30.3	26.	.117	.....	66.5	N.	2.3	..	Cu. *N.*	.3
14 15	8.	765.35	30.090	28.8	25.	.116	.....	66.3	NNW.	2.4	..	Cu. *N.*	.4
15 15	7.1	765.65	30.106	30.	27.	.137	.....	65.5	NNW.	2.4	..	Small detached Cu.	.1
Means	....	.....	30.063	30.1	....	.119	.....	66.7	.....	..	..	.....	..

h. m. Observatory time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 10ths.
16 15	18.3	780.55	30.637	20.5	17.9	.093	.....	68.	ENE.	..	..	Ci., Ci-cu	.2
17 15	18.	780.34	30.631	19.4	17.3	.096	.....	69.9	ENE.	..	..	Ci., Ci-s	.2
18 15	17.	780.65	30.649	19.4	17.	.091	.....	69.9	E.	..	..	Ci., Ci-s	.3
19 15	16.	781.10	30.670	18.5	16.5	.094	.....	69.	ENE.	.2	..	Ci	.1
20 15	15.6	780.85	30.663	17.	15.	.087	.....	69.5	ENE.	..	..	Ci., Cu., Ci-cu	.9
21 15	15.2	780.75	30.661	17.5	16.	.097	.....	70.3	ENE.	..	..	Ci., Cu., Ci-cu., N. ?	1.0
Means	....	.....	30.652	18.7	....	.093	.....	69.4	.....	..	..	.....	..
22 15	15.6	780.75	30.660	17.5	16.2	.099	.....	72.1	NNE.	..	..	Ci., Ci-s	1.0
23 15	14.5	780.40	30.650	17.5	16.2	.099	.....	74.1	ENE	..	..	N., hailing	1.0
0 15	13.6	779.25	30.610	17.6	16.4	.101	.....	76.9	NE.	.1	..	Ci-s., Ci-cu	1.0
1 15	13.9	778.60	30.583	17.9	16.9	.105	.....	78.	ENE.	..	..	S., Ci-s	1.0
2 15	13.7	779.00	30.599	18.	17.	.106	.....	78.9	ENE.	..	..	Ci-cu., Ci-s	1.0
3 15	11.6	777.35	30.544	18.5	17.6	.109	.....	81.	ENE.	.2	..	N. ?	1.0
Means	....	.....	30.608	17.8	....	.103	.....	76.8	.....	..	..	.....	..
4 15	11.	776.60	30.518	18.8	18.3	.116	.....	83.	E.	.2	..	Ci-cu. ?	1.0
5 15	11.7	776.25	30.501	20.7	20.	.122	.....	84.5	ENE.	1.5	..	N. ?	1.0
6 15	12.8	776.30	30.498	21.6	20.9	.127	.....	86.	E.	1.3	..	N.	1.0
7 15	13.7	775.90	30.479	23.	22.3	.134	.....	87.	E.	1.7	..	Ci-cu	1.0
8 15	13.7	775.75	30.473	23.8	23.2	.139	.....	88.5	ENE.	.2	..	Ci-cu., Ci-s	1.0
9 15	15.1	775.20	30.444	26.3	25.5	.150	.....	89.	ENE.	.2	..	N. ? Ci-s	1.0
Means	....	.....	30.485	22.4	....	.131	.....	86.3	.....	..	..	.....	..
10 15	16.3	774.45	30.407	28.	27.1	.158	.....	89.5	ENE.	.2	..	N., Ci-s	1.0
11 15	16.8	773.80	30.381	30.5	29.6	.174	.....	89.5	ENE.	.1	..	N., slight rain, Ci-s	1.0
12 15	17.7	772.50	30.323	34.	32.7	.189	.....	93.	E.	..	.03	N., S., Ci-s., rain	1.0
13 15	18.5	770.80	30.252	37.3	36.5	.226	.....	92.5	ESE.	..	.05	N., S., rain	1.0
14 15	19.2	770.10	30.222	38.	37.0	.227	.....	92.	ENE.	..	.04	N., S., rain	1.0
15 15	19.5	769.55	30.199	39.	38.0	.236	.....	92.	ESE.	.2	.09	N., S., rain	1.0
Means	....	.....	30.297	34.5	....	.202	.....	91.4	.....	..	..	.....	..

Observatory time. h.	m.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Therm'rs, Fah. Dry.	Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
6	25	1.8	758.95	29.869	32.6	32.4	.200	.....	92.7	ENE.	.1	.20	N., raining hard	8
7	25	....	.....	.....	....	....	....	.....	....	ENE.	..	.05	.....	..
8	25	2.	757.50	29.811	33.2	33.	.205	.....	92.	ENE.	..	.08	N., raining hard	8
9	25	2.	757.40	29.807	33.4	33.2	.206	.....	95.	NNE.	..	.25	N., raining hard	8
10	25	2.3	757.00	29.790	33.7	33.5	.208	.....	95.	NNE.	..	.67	N., raining hard	8
11	25	2.4	756.60	29.773	34.	33.7	.209	.....	94.5	NNE.	..	.12	N., raining hard	8
Means		....	.....	29.810	33.4	....	.206	.....	93.8	.....	..	..	.....	..
12	25	2.7	754.75	29.700	35.1	34.6	.213	.....	93.5	NNE.	..	.10	N., raining	8
13	25	3.	754.30	29.681	34.7	34.5	.216	.....	93.5	NW.	..	.04	N., raining	8
14	25	3.	754.30	29.681	34.6	34.3	.213	.....	93.5	NNW.	..	.01	N., raining	8
15	25	3.4	754.50	29.687	34.6	34.3	.213	.....	94.	NW.	..	.02	N	8
16	25	3.2	754.70	29.695	35.1	34.8	.217	.....	93.5	NW.	..	.02	N., raining	8
17	25	2.9	754.60	29.694	35.5	35.	.216	.....	93.3	NW.	..	.02	N., raining	8
Means		....	.....	29.690	34.9	....	.215	.....	93.5	.....	..	..	.....	..
18	25	3.	754.70	29.697	35.4	34.9	.215	.....	93.2	WNW.	..	.01	N., raining	8
19	25	3.	754.80	29.701	35.8	35.1	.214	.....	92.	NW.	..	.02	N., raining	8
20	25	3.	755.00	29.708	36.	35.3	.216	.....	92.	NW.	..	.03	N., raining	8
21	25	3.	755.60	29.732	34.5	33.8	.204	.....	91.5	NW.	..	.04	N., raining	8
22	25	3.	755.85	29.741	33.8	33.3	.203	.....	92.	NNW.	..	.03	N., raining	8
23	25	3.	756.00	29.746	34.	33.5	.204	.....	91.	NNW.	..	.04	N., raining	8
Means		....	.....	29.721	34.9	....	.209	.....	91.9	.....	..	..	.....	..
0	25	3.	756.10	29.750	34.6	33.7	.202	.....	90.5	NNW.	..	..	N	8
1	25	3.	756.25	29.756	35.6	33.4	.185	.....	84.5	NW.	..	..	Clear Exc. in Hor. S.	..
2	25	....	.....	.....	....	....	....	.....	....	NNW.	..	..	.....	..
3	25	....	.....	.....	....	....	....	.....	....	NNW.	.2	..	.....	..
4	25	....	.....	.....	....	....	....	.....	....	NNW.	.2	..	.....	..
5	25	....	.....	.....	....	....	....	.....	....	NNW.	.3	..	.....	..
Means		....	.....	.....	....	....	....	.....	....	.....	.2	..	.....	..

h.	m.	Observatory time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
6	25	.....	5.2	750.05	29.502	33.6	30.5	.158	.....	79.3	NNE.	..	..	Slight haze.....	..
7	25	.....	5.	751.15	29.546	34.	31.	.162	9h.	79.8	NNE.	..	..	Ci., Cu-s.....	8
8	25	.....	5.	751.60	29.564	34.7	31.6	.165	(D. 26.6)	79.8	ENE.	..	..	Ci., Ci-cu., Ci-s.....	8
9	25	.....	5.3	751.85	29.573	35.7	32.9	.175	(A. 35.5)	81.2	NE.	..	..	Ci., Ci-cu., Ci-s.....	8
10	25	.....	6.	751.50	29.555	37.5	34.5	.184	.....	81.5	ENE.	..	..	Ci., Ci-s.....	6
11	45	.....	6.7	751.45	29.550	41.5	38.2	.211	.....	80.5	ENE.	..	..	Light Ci...(This observation 20m. late.)	7
Means		.....	....	.....	29.548	36.2	....	.176	.....	80.3	.....	..	..	.....	..
12	25	.....	7.3	751.25	29.539	41.6	38.	.206	.....	79.8	NE.	..	..	Light Ci.....	6
13	25	.....	8.4	750.70	29.513	43.6	39.2	.208	.....	78.	N.	..	..	S.....	4
14	25	.....	8.9	750.40	29.498	45.1	40.6	.220	.....	76.6	NW.	..	..	S., hazy.....	2
15	25	.....	9.8	750.25	29.489	45.3	39.8	.201	.....	75.5	NW.	..	..	Hazy.....	..
16	25	.....	10.2	750.55	29.498	44.8	39.4	.199	.....	75.	NNW.	..	..	Hazy.....	..
17	25	.....	10.4	750.20	29.484	42.6	38.4	.203	.....	77.	N.	..	..	Hazy.....	..
Means		.....	....	.....	29.503	43.8	....	.206	.....	77.	.....	..	..	.....	..
18	25	.....	10.9	750.45	29.492	38.5	35.5	.192	.....	82.	N. by E.	..	..	Hazy.....	..
19	25	.....	9.5	750.00	29.480	36.	34.	.192	.....	84.5	NE. by E.	..	..	Hazy.....	..
20	25	.....	8.3	749.85	29.479	34.	32.5	.186	.....	89.	NE. by E.	..	..	Hazy.....	..
21	25	.....	7.3	749.15	29.456	31.6	30.7	.181	.....	92.2	NE. by E.	..	..	Clear.....	..
22	25	.....	7.	748.75	29.443	31.	30.	.176	.....	93.4	S.	..	..	Clear.....	..
23	25	.....	7.3	748.00	29.411	30.5	29.5	.172	.....	92.	SSW.	..	..	Clear.....	..
Means		.....	....	.....	29.460	33.6	....	.183	.....	88.8	.....	..	..	.....	..
0	25	.....	7.5	747.65	29.397	33.	30.5	.164	.....	82.6	SW. by S.	..	..	Clear.....	..
1	25	.....	6.3	747.25	29.386	30.9	29.4	.167	.....	87.	SW. by S.	..	..	Clear.....	..
2	25	.....	5.9	746.95	29.377	31.1	29.7	.170	3h.	87.8	SW. by S.	..	..	Clear.....	..
3	25	.....	5.4	746.30	29.353	31.1	29.6	.168	(D. 26.6)	87.7	SW.	..	..	Clear.....	..
4	25	.....	5.2	745.45	29.321	32.	30.5	.174	(A. 31.4)	87.	SW.	..	..	Clear.....	..
5	25	.....	4.8	745.10	29.310	31.5	30.	.171	.....	87.9	SW. by S.	..	..	Clear.....	..
Means		.....	....	.....	29.357	31.6	....	.169	.....	86.7	.....	..	..	.....	..

Observatory time. h. m.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
6 15	7.2	769.70	30.265	32.5	29.9	.159	.....	83.3	E. by N.	..	..	Ci., S., Ci-s.	7
7 15	6.2	770.15	30.287	33.5	30.5	.159	9h.	82.8	ENE.	..	..	Ci., S., Ci-s., Ci-cu	7
8 15	7.	770.10	30.282	35.8	32.2	.160	(D. 25.2)	81.	ENE.	..	..	Ci., S., Ci-s., Ci-cu	1
9 15	7.5	770.00	30.275	38.	34.	.168	(A. 38.)	79.3	E. by N.	..	..	Ci., S., Ci-s., Ci-cu	7
10 15	8.	769.90	30.268	41.6	36.9	.183	.....	78.2	E.	..	..	Ci., S., Ci-s., Ci-cu	3
11 15	8.7	769.60	30.254	46.3	39.5	.183	.....	74.	ESE.	..	..	Light Ci. and S.	4
Means	....	.....	30.272	37.9	....	.169	.....	79.8	.....	..	..	.....	..
12 15	9.5	769.00	30.226	49.	41.7	.198	.....	72.	ESE.	1	..	Light Ci. and S.	4
13 15	10.	768.00	30.185	50.	43.	.213	15h.	71.	ESE.	1	..	Light Ci. and S.	6
14 15	10.2	767.60	30.168	49.5	42.1	.200	(D. 28.8)	71.	SE.	1	..	Light Ci. and S.	7
15 15	10.2	766.80	30.137	47.1	41.1	.207	(A. 47.7)	73.5	SE.	1	..	Light Ci. and S.	8
16 15	10.2	767.00	30.144	44.5	39.1	.194	.....	75.4	SE.	1	..	Light Ci. and S.	8
17 15	9.6	767.00	30.147	42.4	38.3	.202	.....	79.3	SE.	..	..	Light Ci. and S.	8
Means	....	.....	30.168	47.1	....	.202	.....	73.7	.....	..	..	.....	..
18 15	10.	766.75	30.136	39.8	36.6	.199	.....	81.	SE.	..	..	Ci., S.	8
19 15	9.6	766.50	30.128	38.	35.7	.201	21h.	86.3	SE.	..	..	Ci., S.	8
20 15	9.3	766.10	30.113	38.	36.	.207	(D. 32.3)	89.	ENE.	..	..	Cu., Ci-cu	8
21 15	8.1	764.90	30.073	38.2	36.5	.215	(A. 38.2)	90.2	E. by S.	..	..	Cu., Ci-cu	8
22 15	8.5	764.35	30.048	39.	37.1	.217	.....	91.3	E.	..	..	Cu., Ci-cu., ? very dark	8
23 15	8.4	763.45	30.013	39.4	37.9	.229	.....	91.	ENE.	..	..	Cu., Ci-cu	8
Means	....	.....	30.085	38.7	....	.211	.....	88.1	.....	..	..	.....	..
0 15	8.3	762.80	29.988	40.6	39.	.237	.....	90.2	ENE.	..	..	Cu., Ci cu., N	8
1 15	8.2	761.60	29.941	41.6	40.2	.250	3h.	90.5	E.	..	..	Ci-cu	8
2 15	8.2	760.65	29.904	42.	41.	.263	(D. 40.2)	91.4	E.	..	..	Ci-cu	8
3 15	8.2	759.55	29.860	45.5	43.7	.281	(A. 43.7)	88.	SE.	..	..	Ci-cu	8
4 15	8.3	758.90	29.835	46.3	44.6	.291	.....	89.	E. by S.	..	..	Ci cu. ? very dark	8
5 15	8.4	757.95	29.798	49.4	48.	.333	.....	90.3	SSE.	..	..	Ci-cu	8
Means	....	.....	29.888	44.2	....	.276	.....	89.9	.....	..	..	.....	..

Observatory time. h.	m.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Therm'rs, Fah. Dry.	Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
6	15	11.1	758.85	29.820	48.5	48.1	.346	.....	92.	NE. by N.	..	..	N.	8
7	15	11.7	758.75	29.813	49.4	48.8	.351	.....	92.	NE.	..	..	N., S.	8
8	15	11.7	758.90	29.819	50.7	49.6	.356	.....	90.	NNE.	..	..	N., S.	8
9	15	12.	759.00	29.821	51.6	50.	.355	48.5	89.5	NE.	..	..	N., Cu-s.	8
10	15	12.4	759.60	29.843	54.	51.6	.367	.....	87.2	NE.	..	..	N., Ci-cu., Cu-s.	8
11	15	....	.....	.....	....	....	....	.....	....	.....	..	..	.....	8
Means		....	.....	29.823	50.8	....	.355	.....	90.1	.....	..	..	.....	..
12	15	14.	760.00	29.852	53.6	50.3	.340	.....	83.	N.	..	..	N., Ci-cu., Cu-s.	8
13	15	14.	760.10	29.855	53.8	50.2	.336	.....	82.	N. by W.	..	..	N., Ci cu., Cu-s.	8
14	15	14.	760.20	29.860	54.5	50.3	.330	.....	80.5	N.	..	..	N., Ci-cu., Cu-s.	8
15	15	14.3	761.00	29.888	49.8	48.1	.331	.....	88.5	N.	..	..	N., raining	8
16	15	14.	761.75	29.921	48.	46.5	.314	.....	89.	NNW.	..	..	N., raining	8
17	15	13.5	762.00	29.931	48.6	45.2	.279	.....	81.	NNW.	..	.05	N., Ci-cu	8
Means		....	.....	29.884	51.4	....	.322	.....	84.	.....	..	..	.....	..
18	15	13.2	762.60	29.956	46.9	43.1	.251	.....	81.	NNW.	..	..	N., Ci cu	8
19	15	13.	763.25	29.983	45.5	42.	.243	.....	81.	NNW.	..	..	N., Ci-cu	8
20	15	12.6	763.10	29.980	44.5	41.	.235	.....	81.	NNW.	..	..	Ci., Ci-cu	3
21	15	12.	764.00	30.018	43.2	40.	.228	37.3	81.	NNW.	..	..	Ci., Ci-cu. ?	4
22	15	11.6	764.10	30.023	42.2	39.2	.221	.....	81.8	NNW.	..	..	Overcast	4
23	15	11.3	763.90	30.017	41.6	38.6	.218	.....	82.	NNW.	..	..	Overcast	4
Means		....	.....	29.996	44.	....	.233	.....	81.3	.....	..	..	.....	..
0	15	11.1	763.80	30.014	41.4	38.5	.218	.....	82.	NNW.	..	..	Dark	4
1	15	10.9	763.90	30.020	41.4	38.6	.220	.....	82.5	NNW.	..	..	Dark	6
2	15	10.9	763.90	30.019	41.	38.4	.220	.....	83.	NNW.	..	..	Dark	8
3	15	10.3	763.85	30.020	40.3	38.	.220	.....	85.5	NNW.	..	..	Ci., Ci cu	4
4	15	10.	763.65	30.013	40.	37.5	.214	.....	85.	N.	..	..	Ci., Ci-cu	5
5	15	9.9	763.50	30.007	39.9	37.6	.217	.....	85.	N. by E.	..	..	Ci., Ci-cu	3
Means		....	.....	30.015	40.7	....	.218	.....	83.8	.....	..	..	.....	..

Observatory time. h. m.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 8ths.
6 15	15.2	764.35	30.016	53.8	52.2	.384	.....	89.2	SW. by S.	..	..	Light Ci.	1
7 15	15.9	764.65	30.025	56.6	54.2	.404	.....	88.	SW. by W.	..	..	Light Ci.	1
8 15	16.5	764.65	30 023	59.5	56.	.419	.....	85.	SW.	..	..	Clear	..
9 15	17.	764.60	30.018	62.	56.8	.412	49.2	81.	SW.	..	..	Clear	..
10 15	17.5	764.60	30.015	65.	59.5	.453	.....	79.	SW.	..	..	Clear	..
11 15	18.7	764.30	29.998	69.4	62.7	.497	.....	77.	SW.	..	..	Clear	..
Means	....	.....	30.016	61.	....	.428	.....	83.2	.....	..	..	.....	..
12 15	19.8	763.85	29.975	72.2	64.2	.511	.....	74.3	SSW.	..	..	Clear	..
13 15	19.8	763.50	29.961	73.2	62.5	.448	.....	69.	WSW.	..	..	Clear	..
14 15	20.3	763.20	29.946	74.6	64.	.478	.....	68.8	SW.	..	..	Clear	..
15 15	20.9	763.00	29.935	75.5	64.3	.479	54.2	68.2	SW.	..	..	Ci., Ci-cu., S	½
16 15	21.8	763.00	29.931	76.9	65.4	.496	.....	67.3	SW.	..	..	Very light Ci.	1
17 15	22.	762.80	29.923	76 5	65.4	.502	.....	68.	SW.	..	..	Very light Ci	1
Means	....	.....	29.945	74.8	....	.586	.....	69.3	.....	..	..	.....	..
18 15	22.3	762.80	29.921	74.5	65.	.511	.....	70.5	SW.	..	..	Light Ci.	3
19 15	22.5	763.10	29.931	70.	63.4	.512	.....	76.8	SW.	..	..	Ci., Ci-s	..
20 15	22.3	763.40	29.944	66.7	61.5	.492	.....	81.5	SSW.	..	..	Ci., Ci-s	..
21 15	21.9	764.00	29.970	64.	60.5	.493	57.5	86.	SSW.	..	..	Some clouds in *N.* Hor	..
22 15	21.7	764.25	29.981	63.	60.	.489	.....	88.2	SSW.	..	..	Some clouds in *N.* Hor	2
23 15	21.3	764.25	29.983	62.6	60.	.494	.....	89.	SW.	..	..	Some clouds in *N.* Hor	1
Means	....	.....	29.955	66.8	....	.498	.....	82.	.....	..	..	.....	..
0 15	21.	764.10	29.979	61.	59.	.484	.....	90.7	SW.	..	..	Clouds in Hor.?	1
1 15	20.6	763.85	29.970	59.	58.5	.492	.....	91.2	SW.	..	..	Clouds in Hor.?	1
2 15	20.3	763.65	29.964	57.5	57.	.467	.....	95.	SW.	..	..	Clouds in Hor.?	1
3 15	20.	763.55	29.961	56.6	56.	.451	55.1	93.2	SW.	..	..	Clouds in Hor.?	2
4 15	19.7	763.65	29.967	57.	56.5	.459	.....	93.2	SE.	..	..	Ci., Ci-s., Cu., foggy	3
5 15	19.2	763.90	29.979	57.	56.5	.459	.....	94.	ESE.	..	..	Ci-cu., S., slight fog	7
Means	....	.....	29.970	58.	....	.469	.....	92.9	.....	..	..	.....	..

h.	m.	Observatory time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, &c.	Direction of the strata of clouds. 1.	2.	3.
6	15	.....	21.3	765.85	30.046	63.2	61.6	.534	.....	90.5	E.	..	..	1.0	Ci-s., N.....	..	..	..
7	15	.....	21.1	766.15	30.059	62.7	61.	.522	.....	90.4	E.	..	..	.8	S., Ci-s., Cu.....	45	90	45
8	15	.....	21.	766.60	30.078	62.5	61.	.524	.....	90.5	E.	..	..	1.0	Ci-s.....	270	..	..
9	15	.....	20.8	766.90	30.090	63.	60.8	.512	9h.:	89.	E.	..	..	1.0	Ci-s., Ci-cu.....	270	..	..
10	15	.....	20.9	767.10	30.097	64.5	61.7	.523	(D. 59.6)	86.3	E.	..	..	1.0	Ci-s., Ci-cu.....	315	..	..
11	15	.....	21.1	767.30	30.104	66.7	62.8	.530	(A. 63.)	84.	E.	..	..	1.0	Cu., Ci-s., Ci-cu	315	..	..
Means		.....	....	.....	30.079	63.8	....	.524	.....	88.4	.....	..	..	..	.....	..	..	..
12	15	.....	21.5	767.15	30.097	68.6	64.2	.552	.....	81.5	ESE.	..	..	1.0	Cu., Ci-cu.....	315	..	..
13	15	.....	21.8	767.35	30.102	69.6	65.3	.575	.....	81.8	SSE.	..	..	1.0	Cu., Ci-cu.....	315	..	..
14	15	.....	22.	767.15	30.094	70.5	65.4	.568	.....	80.	SE.	..	..	1.0	Cu., Ci-cu.....	315	..	..
15	15	.....	22.3	767.00	30.085	71.7	66.2	.580	15h.:	79.4	SE.	..	..	1.0	Cu., Ci-cu.....	337	..	..
16	15	.....	22.5	767.15	30.091	70.	64.5	.545	(D. 61.)	80.1	SE.	..	..	1.0	Cu., Ci-cu.....	337	..	..
17	15	.....	22.2	767.00	30.085	68.4	63.4	.530	(A. 71.7)	81.	S.	..	..	1.0	Cu., Ci-cu., Ci-s.....	315	..	..
Means		.....	....	.....	30.092	69.8	....	.558	.....	80.6	.....	..	..	..	.....	..	..	..
18	15	.....	22.2	767.00	30.086	67.9	62.5	.508	.....	80.2	SSE.	..	..	1.0	Ci-cu., Cu-s.....	45	..	..
19	15	.....	22.	767.10	30.090	66.1	61.4	.495	.....	80.7	SSE.	..	..	1.0	Ci-cu., Cu-s.....	45	..	..
20	15	.....	21.8	767.05	30.091	64.6	60.5	.486	.....	82.2	SSE.	..	..	1.0	Ci-cu , Cu-s.....	..	..	..
21	15	.....	21.5	767.15	30.096	64.	60.5	.493	21h.:	84.	SE.	..	..	1.0	Dark, clouds?.....	..	..	..
22	15	.....	21.2	766.90	30.089	62.5	59.8	.490	(D. 57.4)	87.	SE.	..	..	..	Clear	..	..	..
23	15	.....	21.2	766.90	30.088	62.5	60.	.495	(A. 64.)	89.	SSE.	..	..	1.0	Dark, clouds?.....	..	..	..
Means		.....	....	.....	30.090	64.6	....	.494	.....	83.8	.....	..	..	..	.....	..	..	..
0	15	.....	21.	766.65	30.080	62.7	60.3	.501	.....	89.	SE.	..	..	.8	Ci-s., Cu.....	..	..	..
1	15	.....	20.9	766.65	30.080	62.5	61.	.524	.....	89.5	SE.	..	..	1.0	Ci-s., Cu.....	..	..	..
2	15	.....	20.7	766.40	30.071	62.8	61.1	.524	.....	90.	SE.	..	..	.9	Ci-s.....	..	..	..
3	15	.....	20.8	766.00	30.054	63.	61.3	.527	3h.:	91.	S.	..	..	.7	Cu., Ci-cu.....	..	..	..
4	15	.....	20.3	766.60	30.081	63.	61.2	.524	(D. 54.5)	90.5	S.	..	..	1.0	Ci., Ci-cu., Ci-s.....	..	..	..
5	15	.....	20.3	766.10	30.060	63.	61.4	.530	(A. 63.)	91.	S.	..	..	.8	Cu., Ci., N.....	202	270	270
Means		.....	....	.....	30.071	62.8	....	.522	.....	90.2	.....	..	..	..	.....	..	..	..

Observatory time. h.	m.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Therm'rs, Fah. Dry.	Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 10ths.
6	15	23.	771.45	30.259	65.3	63.2	.557	.....	88.	SSW.	..	..	Ci.	.2
7	15	23.5	771.80	30.270	68.4	65.8	.605	.....	87.6	SSW.	..	..	Ci.	.09
8	15	24.8	772.00	30.272	73.	69.	.658	.....	81.5	SSW.	..	..	Ci., Ci-cu.	.3
9	15	25.	772.00	30.280	75.6	69.4	.644	61.5	77.	SSW.	..	..	Ci., Ci-cu.	.4
10	15	25.5	772.10	30.271	78.3	70.8	.661	.....	75.	S.	..	..	Ci., Ci-cu.	.5
11	15	26.3	772.10	30.268	80.	72.2	.694	.....	74.5	SSE.	..	..	Ci-s., Ci., Ci cu., Cu.	.7
Means		....	.....	30.270	73.4	....	.636	.....	80.6	.....	..	..	.....	..
12	15	27.6	771.90	30.255	81.5	72.5	.685	.....	74.3	SE.	..	..	Ci-s., Ci., Ci-cu., Cu.	.8
13	15	....	.....	.....	....	....	....	.....	....	.....	..	..	.....	..
14	15	28.	770.80	30.209	84.5	73.5	.689	.....	68.5	SSE.	..	..	Ci-s., Ci., Cu-s., Cu.	.9
15	15	28.6	770.40	30.190	83.	75.5	.784	62.8	71.3	SW.	.3	..	Ci-s., Ci-cu., Ci., Cu-s., Cu.	1.0
16	15	28.6	770.00	30.174	81.9	75.	.775	.....	74.3	SW.	..	..	Ci-s., Ci-cu., Ci., S., Cu., *W.*	.9
17	15	28.4	769.70	30.164	80.8	72.6	.699	.....	72.8	S.	..	..	Ci-s., Ci-cu., Ci., Cu.	.8
Means		....	.....	30.198	82.3	....	.726	.....	72.2	.....	..	..	.....	..
18	15	28.3	769.75	30.166	78.5	68.5	.578	.....	76.	SSW.	..	..	Ci., Ci-cu., Cu-s.	.5
19	15	27.3	769.60	30.165	74.4	66.9	.573	.....	78.5	SSW.	..	..	Ci., Ci-cu., Ci-s.	.4
20	15	26.5	769.70	30.174	71.5	68.	.641	.....	79.8	SSW.	.5	..	Ci.	.2
21	15	26.	770.10	30.191	70.	67.	.625	.....	80.	SSW.	..	..	Clear.	..
22	15	25.7	770.15	30.194	68.9	66.7	.628	.....	86.	SSW.	..	..	Clear.	..
23	15	25.2	770.00	30.190	67.6	66.	.620	.....	91.5	SSW.	..	..	Clear.	..
Means		....	.....	30.180	71.8	....	.611	.....	82.	.....	..	..	.....	..
0	15	25.	769.80	30.184	67.5	66.	.621	.....	92.5	SSW.	..	..	Ci-cu.	.1
1	15	24.6	769.50	30.184	67.3	65.6	.611	.....	92.	SSW.	..	..	Ci-s.	1.0
2	15	24.3	769.00	30.155	68.	67.5	.664	.....	91.8	SSW.	..	..	Ci-s., N.	1.0
3	15	24.2	768.65	30.143	69.3	68.	.666	.....	92.	SSW.	..	..	Ci s., N.	1.0
4	15	24.2	768.45	30.135	70.	69.	.693	.....	92.7	SSW.	..	..	Ci-s., N.	1.0
5	15	24.2	768.60	30.141	70.4	69.5	.705	.....	92.6	SW.	..	..	Ci-s., N.	1.0
Means		....	.....	30.157	68.7	....	.660	.....	92.3	.....	..	..	.....	..

Observatory time. h. m.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 10ths.
6 15	26.4	764.25	29.959	72.6	72.	.768	.....	93.7	SW.	..	..	Ci., Ci-cu., Ci-s	.8
7 15	26.	764.25	29.960	73.5	72.7	.784	.....	92.	WSW.	..	..	Cu., Ci-cu., Ci-s	.7
8 15	26.6	764.20	29.956	75.5	73.6	.794	.....	87.5	WNW.	..	..	Ci., Ci-cu., Ci-s	.1
9 15	27.1	764.20	29.954	78.2	75.8	.850	72.	86.5	S.	..	..	Ci., Ci-s	.2
10 15	28.	764.20	29.949	80.5	76.2	.838	.....	82.7	NNW.	..	..	Cu., Ci-cu., S., Ci-s	.5
11 15	28.3	764.20	29.947	84.3	79.	.912	.....	83.5	S.	..	..	Cu., Ci-cu., S., Ci-s	.7
Means	....	.....	29.954	77.4	....	.824	.....	87.6	.....	..	..	.....	..
12 15	29.	763.80	29.928	85.1	78.7	.891	.....	81.	S.	..	..	Cu., Ci., Ci-cu., Cu-s., S	.4
13 15	29.3	763.10	29.899	84.5	78.3	.881	.....	81.5	SW.	..	..	Cu., Cu-s	.8
14 15	29.7	762.55	29.876	83.8	77.3	.845	.....	81.7	SW.	..	..	Cu., Ci., Ci-s., Cu-s	.9
15 15	29.7	762.25	29.864	83.9	78.4	.891	72.3	82.6	SW.	..	..	Cu., Ci., Ci-s., Cu-s	1.0
16 15	29.8	763.10	29.897	79.5	72.7	.716	.....	83.	SSW.	..	..	N., Cu-s	1.0
17 15	29.2	763.05	29.897	74.	71.7	.743	.....	88.	SE.	1.5	.07	N., Cu-s	1.0
Means	....	.....	29.893	81.8	....	.828	.....	83.	.....	..	..	.....	..
18 15	28.3	763.00	29.899	74.5	72.	.747	.....	91.	S.	..	.06	Cu-s., N., rain	1.0
19 15	27.9	762.65	29 889	73.9	71.5	.737	.....	93.	NNE.	..	.01	Cu-s., rain	1.0
20 15	27.2	762.55	29.887	73.5	71.4	.737	.....	93.	NE.	..	..	Cu-s., N., rain	1.0
21 15	27.5	763.75	29.933	71.9	70.8	.734	70.8	93.	WNW.	.4	.01	Cu-s., N., rain	1.0
22 15	27.3	762.90	29.901	71.9	70.4	.719	.....	93.2	S.	..	.18	Cu-s., N., rain	1.0
23 15	27.	762.50	29.887	71.4	70.3	.722	.....	93.5	SW.	..	.11	Cu s., N., rain	1.0
Means	....	.....	29.899	72.8	....	.733	.....	92.8	.....	..	..	.....	..
0 15	27.	762.00	29.867	71.9	70.9	.737	.....	93.9	SW.	..	.10	Cu-s., N., rain	1.0
1 15	26.9	761.85	29.862	71.6	70.3	.720	.....	94.	SW.	..	.02	Cu-s., N., rain	1.0
2 15	26.7	761.60	29.853	71.2	70.1	.717	.....	93.6	SW.	..	..	Cu-s., N., rain	1.0
3 15	26.2	761.75	29.862	71.5	70.3	.721	69.4	92.5	WSW.	..	..	Cu-s , N., rain	1.0
4 15	25.9	761.60	29.857	71.4	70.4	.725	.....	94.3	NNW.	..	..	Ci-s., N.,	1.0
5 15	25.4	761.45	29.854	70.2	69.5	.707	.....	93.2	NNW.	..	..	Ci-s., Ci-cu	1.0
Means	....	.....	29.859	71.3	....	.721	.....	93.6	.....	..	..	.....	..

h. m. Observatory time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 10ths.
6 15	18.5	766.15	30.071	59.2	58.9	.501	.....	94.	NNE.	..	..	Fog	1.0
7 15	18.7	766.25	30.075	60.7	60.2	.521	.....	93.5	NNE.	..	..	Very dense fog	1.0
8 15	18.8	766.50	30.083	61.6	61.	.534	.....	93.5	NE.	..	..	Very dense fog	1.0
9 15	19.	766.30	30.075	62.7	61.8	.545	.....	92.7	E.	..	..	Very dense fog	1.0
10 15	19.1	766.20	30.070	64.3	62.8	.557	.....	91.3	E.	..	..	Very dense fog	1.0
11 15	19.3	765.90	30.058	65.5	63.1	.553	.....	89.	ESE.	..	..	Cu., S	1.0
Means	....	.....	30.072	62.3	....	.535	.....	92.3	.....	..	..	.....	..
12 15	19.7	765.80	30.052	67.5	63.7	.548	.....	85.2	E.	..	..	Cu., S. from *E*	.9
13 15	20.2	765.00	30.017	68.7	63.5	.530	.....	80.2	N.	..	..	Cu., S. from *E*	.4
14 15	21.	765.00	30.013	70.	65.	.560	.....	80.5	WSW.	..	..	Cu., S. from *ESE*	.4
15 15	21.7	764.50	29.991	70.5	65.	.555	.....	80.5	N.	..	..	Cu., S	.3
16 15	22.3	764.15	29.974	72.	66.7	.593	.....	79.9	NNE.	..	..	Cu., S. from *NNE*	.6
17 15	22.5	763.90	29.963	71.	66.	.582	.....	81.2	ENE.	..	..	Cu., Ci-cu. from *ENE*	..
Means	....	.....	30.002	69.9	....	.561	.....	81.3	.....	..	..	.....	..
18 15	22.	764.00	29.965	68.1	64.	.550	.....	84.2	E.	..	..	Cu., Ci-cu	.1
19 15	21.	764.20	29.983	65.	62.3	.535	.....	89.	E.	..	..	Ci-s. at Hor	..
20 15	21.	764.40	29.990	62.5	60.5	.509	.....	90.	ESE.	..	..	Clear	..
21 15	20.5	764 20	29.984	62.1	60.	.500	.....	90.3	ENE.	..	..	Clear	..
22 15	18.7	763.70	29.974	60.8	59.	.486	.....	91.5	ENE.	..	..	Clear	..
23 15	19.1	763.65	29.969	58.	57.2	.467	.....	94.8	NE.	..	..	Clear	..
Means	....	.....	29.977	62.8	....	.508	.....	90.	.....	..	..	.....	..
0 15	19.5	763.25	29.952	59.4	58.3	.482	.....	91.	NE.	..	..	Cu., S	.4
1 15	19.4	762.75	29.933	59.3	58.3	.483	.....	94.	N.	..	..	Cu., S	.5
2 15	19.4	762.40	29.919	59.6	58.5	.486	.....	94.	NNE.	..	..	Cu., S	.7
3 15	19.3	762.20	29.912	59.6	58.6	.488	.....	94.	N.	..	..	Cu., S	.8
4 15	19.2	763.15	29.949	59.1	58.5	.491	.....	94.2	N.	..	..	Cu., S	.9
5 15	19.1	763.30	29.955	59.5	59.1	.504	.....	94.	N.	..	..	Cu., S	1.0
Means	....	.....	29.937	59.4	....	.489	.....	94.	.....	..	..	.....	..

h.	m.	Observatory time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 10ths.
18	15	.....	14.	749.60	29.442	49.	46.	.293	.....	70.	WNW.	..	..	Cu.	1.0
19	15	.....	13.8	750.00	29.459	49.8	45.5	.273	.....	70.5	WNW.	..	..	Cu. ?	1.0
20	15	.....	13.3	750.55	29.483	47.5	42.5	.233	.....	69.5	WNW.	.4	..	Overcast	1.0
21	15	.....	13.	750.70	29.491	45.	42.	.250	.....	77.2	W.	2.4	..	Overcast	1.0
22	15	.....	12.9	750.60	29.488	45.	41.5	.240	.....	77.5	W.	1.8	..	Overcast	1.0
23	15	.....	12.5	750.40	29.482	44.5	40.8	.231	.....	78.3	W.	.2	..	Overcast	1.0
Means		.....	....	.....	29.474	46.8	....	.253	.....	73.8	.....	..	..	.....	..
0	15	.....	12.1	750.25	29.478	43.3	40.5	.238	.....	80.	W.	..	..	S. ?	.3
1	15	.....	11.7	750.00	29.469	42.8	40.3	.240	.....	80.3	WSW.	..	..	S. ? N. ?	.7
2	15	.....	11.5	749.90	29.467	43.	40.	.230	.....	83.	WSW.	..	..	S. ? Cu	.3
3	15	.....	11.	749.80	29.464	42.5	40.	.237	.....	83.	WSW.	..	..	S. ? around Hor.	.3
4	15	.....	11.6	750.15	29.475	41.3	39.2	.234	.....	86.	WSW.	..	..	S., Cu.	.3
5	15	.....	11.5	750.35	29.485	39.9	38.3	.231	.....	88.	SSW.	..	..	Ci-cu., S., Cu	.7
Means		.....	....	.....	29.473	42.1	....	.235	.....	83.4	.....	..	..	.....	..

See meteorological observations on the magnetic term day.

Observatory time. h.	m.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Therm'rs, Fah. Dry.	Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 10ths.
6	15	7.7	761.30	29.933	43.4	43.2	.293	.....	93.4	NE.	..	.01	Cu.	1.0
7	15	8.	760.45	29.898	43.8	43.5	.296	.....	93.3	SSE.	..	..	S., N., rain	1.0
8	15	8.2	759.60	29.862	45.8	45.5	.317	.....	93.	SE.	..	.02	S., N.	1.0
9	15	8.5	759.25	29.847	46.5	46.3	.327	.....	93.	SE.	..	..	N., mizzling rain	1.0
10	15	8.8	758.85	29.831	47.3	47.	.334	.....	93.	SE.	..	.02	N., mizzling rain	1.0
11	15	9.	758.25	29.807	47.7	47.5	.341	.....	93.	S.	..	.02	N., rain	1.0
Means		....	.....	29.863	45.8	....	.318	.....	93.1	.....	..	..	.....	..
12	15	9.	757.10	29.761	48.8	48.5	.352	.....	93.2	SSW.	..	.05	N., moderate rain	1.0
13	15	9.4	756.00	29.715	48.7	48.5	.353	.....	93.	SSW.	..	.03	N., rain	1.0
14	15	9.8	755.00	29.676	49.6	49.5	.366	.....	93.3	S.	..	.01	N., S., rain	1.0
15	15	10.	754.30	29.646	51.5	51.5	.393	.....	94.5	SE.	.1	..	N., S., rain	1.0
16	15	10.3	753.90	29.630	57.6	57.5	.480	.....	94.	S.	.1	.05	N., S., rain	1.0
17	15	12.	753.65	29.611	58.5	58.4	.495	.....	93.5	S.	.8	.08	N., S., rain	1.0
Means		....	.....	29.673	52.5	....	.406	.....	93.6	.....	..	..	.....	..
18	15	11.7	753.70	29.615	58.5	58.3	.492	.....	93.2	S.	1.2	.04	N., S., rain	1.0
19	15	12.	753.10	29.589	58.1	57.9	.486	.....	93.5	S.	.8	.06	N., S., rain	1 0
20	15	12.4	752.70	29.573	58.6	58.5	.497	.....	93.5	S.	.4	.03	N., S., rain	1.0
21	15	13.	752.25	29.551	58.5	58.1	.487	.....	93.2	S.	1.0	..	N., S.	1.0
22	15	13.5	752.25	29.549	59.3	58.8	.496	.....	93.2	SW.	1.2	..	N., S., rain	1.0
23	15	13.9	752.85	29.571	59.5	57.5	.459	.....	90.	NW.	1.5	.02	N.	1.0
Means		....	.....	29.575	58.7	....	.486	.....	92.8	.....	..	..	.....	..
0	15	14.5	753.20	29.582	57.2	55.5	.431	.....	89.	WNW.	1.2	.06	S., N.	1.0
1	15	14.5	753.50	29.594	56.5	53.6	.390	.....	79.	NW.	..	..	N.	1.0
2	15	14.5	754.40	29 630	54.8	50.	.319	.....	76.3	NW.	.1	..	Rain, N.	1.0
3	15	14.5	754.90	29.650	54.8	49.6	.310	.....	75.	NW.	.1	..	Rain, N.	1.0
4	15	13.9	755.40	29.671	53.	51.	.364	.....	74.	NW.	.1	..	Cu.	.5
5	15	14.2	755.50	29.675	52.	50.2	.356	.....	74.	NW.	.1	..	Cu.	.4
Means		....	.....	29.634	54.7	....	.362	.....	77.9	.....	..	..	.....	..

h. m. Observatory time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Therm'rs, Fah. Dry.	Therm'rs, Fah. Wet.	Force of vapor, ins.	Dew point, Fah.	Hygr., Saussure's.	Wind. Dir. points.	Wind. Force, lbs.	Rain, inches.	Clouds, &c.	Sky covered, 10ths.
6 15	17.7	763.65	29.976	29.	28.2	.166	.....	88.2	ENE.	1.3	..	N.	1.0
7 15	18.	764.15	29.995	27.7	26.9	.157	.....	89.5	ENE.	1.5	..	Ci-cu., Ci-s.	1.0
8 15	19.1	765.15	30.028	27.	26.1	.152	.....	89.2	NE.	1.5	..	N., Ci-s.	1.0
9 15	20.	766.00	30.058	27.3	26.5	.155	25.5	89.3	ENE.	1.2	..	N., Ci-s.	1.0
10 15	21.	767.00	30.093	25.9	25.1	.148	.....	89.5	ENE.	.7	..	N., Ci-s.	1.0
11 15	20.8	767.30	30.105	25.6	25.	.148	.....	89.3	ENE.	.8	..	N., Ci-s.	1.0
Means.....	....	.....	30.043	27.1	....	.154	.....	89.2	.....	..	..	.....	..
12 15	19.8	767.10	30.103	25.4	24.8	.148	.....	90.	ENE.	1.0	..	Ci-s., N.	1.0
13 15	19.3	767.70	30.129	25.5	24.6	.143	.....	88.5	NE.	1.3	..	Ci-s., N.	1.0
14 15	19.3	768.00	30.140	26.	24 6	.139	.....	85.	NE.	1.2	..	Ci-s., Ci-cu., N.	1.0
15 15	19.8	769.00	30.178	26.	24.6	.137	23.8	85.	NE.	.0	..	Ci-s., Ci-cu., N.	1.0
16 15	20.	770.50	30.233	25.7	24.5	.140	.....	84.7	NNE.	.3	..	Ci-s., N.	1.0
17 15	20.2	771.10	30.256	26.3	25.	.140	.....	83.2	NE.	..	..	Ci-s., N.?	1.0
Means.....	....	.....	30.173	25.8	....	.141	.....	86.1	.....	..	..	.....	..
18 15	19.5	771.50	30.276	26.5	24.5	.132	.....	81.	NNE.	..	..	Ci-s., N.?	1.0
19 15	17.4	772.25	30.316	27.5	25.5	.135	.....	80.	NNE.	..	..	Ci-s., N.?	1.0
20 15	16.1	773.00	30.351	26.5	24.	.124	.....	75.	NE.	..	..	Ci-s., N.?	1.0
21 15	15.6	773.25	30.364	25.3	23.5	.127	.....	75.8	NNE.	.2	..	Ci-s., Cu., Ci-cu.	1.0
22 15	15.	773.90	30.393	23.	20.8	.111	.....	73.	NNE.	.2	..	Ci-s., Cu., Ci-cu.	1.0
23 15	14.5	774.25	30.408	22.	20.4	.113	.....	73.2	NNE.	..	..	Ci-s., Ci.	.8
Means.....	....	.....	30.351	25.1	....	.124	.....	76.3	.....	..	..	.....	..
0 15	13.9	774.80	30.433	19.7	18.6	.110	.....	74.	N.	..	..	Ci-cu., Ci-s. at Hor.	.2
1 15	13.3	775.00	30.445	18.6	17.2	.101	.....	74.	NNE.	..	..	Ci-s.	.1
2 15	13.4	776.40	30.499	16.3	15.6	.102	.....	73.8	NNE.	..	..	Clear	..
3 15	14.2	776.45	30.498	16.2	15.5	.101	.....	74.9	NNE.	..	..	Clear	..
4 15	14.7	777.45	30.533	15.8	15.4	.105	.....	75.	NNE.	..	..	Clear	..
5 15	14.	777.60	30.544	15.	14.6	.101	.....	74.3	NE.	..	..	Clear	..
Means.....	....	.....	30.492	16.9	....	.103	.....	74.3	.....	..	..	.....	..

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

ORDINARY MAGNETIC AND TRIPLE OBSERVATIONS,

FROM JANUARY TO JUNE, 1842.

GENERAL NOTES.

The instruments were as during the previous six months.

The correction for temperature of the vertical force instrument is 13.5 divisions for one degree of Fahrenheit, and of the horizontal force magnetometer from 2.7 to 2.6 divisions for one degree.

In November, 1841, a stove was placed in the observing room, to keep the temperature more nearly constant during the winter. The stove was of soapstone, the grate for burning anthracite; the pipe and other accessories were of copper. The pipe passed to the south of the declinometer, and was hung by copper wire to the ceiling of the observatory, about six feet above the case of the declinometer.

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
Jan. 1	561.	560.6	551.2	535.	551.7	550.7	545.8	548.1	548.3	567.	564.2	575.	554.9
3	562.8	560.3	560.1	561.4	564.	557.3	542.1	544.9	546.6	549.5	551.9	551.6	554.4
4	547.	551.4	554.6	558.7	557.4	560.4	553.2	552.	554.	557.3	559 8	569.1	556.4
5	556.	556.1	553 1	556.4	561.3	553.1	544.8	548.1	549.	572.	561.9	558.1	555.8
6	554.1	556.2	554.6	555.	562.3	557.8	550.5	552.2	562.6	562.5	577.9	571.4	559.8
7	572.6	567 4	566.3	572.1	570.6	565.5	563.2	559.6	565.3	567.2	569.2	568.5	567.3
8	566.2	566.8	567.9	568.1	575.1	566.5	559.	561.3	565.5	569.5	569.9	568.7	567.
10	565.4	565.7	565.9	565.8	570.4	565.6	555.5	559.8	564 6	563.7	566.5	564.4	564.4
11	569.4	573.3	570.1	567 1	576.	566.3	559.5	556.5	560.9	557.8	576.	.....	566.6
12	569.3	566.7	562 7	564.6	570.1	566.5	559.8	559.9	564.	564.	566.6	567.1	565.1
13	563.6	562.6	564.2	565.3	572.1	564.5	554.6	551.6	560.3	565.4	567.4	568.	563.3
14	562.	563.1	565.7	565.9	569.4	562.9	556.7	559.5	563.5	565.9	569.7	566.6	564.2
15	565.4	564.5	566.5	567.7	573.2	568.4	556.	558.4	565.	559.	568.7	610.	568.6
17	564.4	563 8	568.5	564.9	574.6	569.5	558.	556.	562.6	565.1	566.5	570.5	565.4
18	.....	564.9	565.7	568.8	573.6	565.9	550.7	546.6	560.2	573.7	583.8	579.1	566.6
19	568.5	563.6	566.8	567.7	576.9	568.5	555.2	555.1	562.3	562.5	564.1	569.4	565.
20	566.1	565.4	564.6	566.5	572.7	570.8	557.9	557.5	563.3	566.2	566.5	564.9	565.2
21	564.9	566.4	568.2	568.3	572.4	567.6	555.4	554.3	565.3	563.2	566.5	568 8	565.1
22	563.4	564.2	562.5	565.1	567.3	566.7	556 5	556.6	561.2	564.3	570.7	569.	563.9
24	564.7	568.5	562 9	563.6	567 4	562 7	554.2	556.	552.2	559.2	567.4	564.1	561.9
25	569.9	565.7	569.7	569.	570.6	569.7	561.5	560.2	563.6	565.5	566.3	565.4	566.4
26	563.4	563 3	566.	566.5	569.	556.	561.3	558.5	562.	563.3	563.5	564.9	563.1
27	567.7	563.7	565.4	.....	571.6	568.1	561.2	555.3	549.4	557.9	563.4	563.	562.4
28	562.6	562.5	564.2	566.	571.	569.4	564.5	555.3	561.	560.7	574.9	567.7	565.
29	564.9	566.7	566 6	564.5	569.6	572.5	559.5	560.	.....	562 1	564.	570.4	565.5
31	563.1	562.4	561.1	563.2	568.2	565.9	555.6	554.8	562.8	563.4	562.8	566.2	562.5
Means	563.9	563.7	563.7	563.9	569.2	564.5	555.8	555.3	559.8	563.4	567.3	568.8	563.3

NOTE.—The observations from the 7th to the 29th inst. have been reduced to the standard of the 1st, by a correction of — 3.5.

Göttingen time.. Observatory time	h. m. 5 58 0 17½	h. m. 7 58 2 17½	h. m. 9 58 4 17½	h. m. 11 58 6 17½	h. m. 13 58 8 17½	h. m. 15 58 10 17½	h. m. 17 58 12 17½	h. m. 19 58 14 17½	h. m. 21 58 16 17½	h. m. 23 58 18 17½	h. m. 1 58 20 17½	h. m. 3 58 22 17½	Means.	Reduced to 32° F.
Jan. 1.....	589.	598.3	582.	572.6	592.4	527.5	619.5	610.3	655.6	690.5	652.9	569.	605.	167.6
3.....	390.6	360.2	315.3	272.9	390.6	515.4	583.5	640.4	669.	705.1	692.	670.5	517.1	154.
4.....	641.7	675.3	669.3	668.2	672.1	699.4	697.8	707.2	713.3	732.7	739.	705.2	693.4	192.6
5.....	642.	640.4	661.9	641.1	632.1	653.8	635.	656.4	649.4	644.	623.2	570.2	637.5	186.6
6.....	576.8	572.2	543.1	533.5	513.7	510.	547.6	590.6	585.3	582.3	587.2	600.4	561.9	167.7
7.....	614.8	661.	653.2	646.6	663.9	661.7	676.2	681.5	671.8	669 6	666.4	667.4	661.2	180.6
8.....	667.7	673.2	671.	672.	666.	656.7	692.5	741.5	773.3	758.5	720.	671.4	697.	192.1
10.....	693.	725.2	783.6	820.1	810.8	796.2	770.4	765.	771.7	769.2	780.1	776.1	771.8	188 6
11.....	803.7	800.	752.	758.5	778.3	780.5	805.	799.4	790.	770.	754.3	750.6	778.5	200.7
12.....	761.1	722.6	703.2	753.6	719.3	725.8	738.9	728.3	758.2	743.1	772.2	730.4	738.	203.4
13.....	756.9	755.7	743.1	771.2	707.	686.7	684.2	656.7	669.	710.7	677.7	630.7	704.1	196.5
14.....	646.7	654.6	652.2	618.5	629.1	653.7	680.	683.6	699.1	685.2	685.5	636.7	660 4	179.8
15.....	637.4	660.4	665.	666.7	661.2	678.2	691.3	743.8	779.3	737.2	655.7	618.5	691.2	197.1
17.....	594.8	635.3	694.8	737.8	748.3	732.6	745.7	737.5	734.6	734.	732.	717.7	712.1	189.7
18.....	.....	733.2	731.	745.1	712.7	757.1	812.4	797.6	780.	776.8	751.3	743.1	758.2	202.
19.....	638.9	733 5	773.	643.9	683.8	713.4	722.4	732.	769.7	767.9	749.7	748.4	723.	179.
20.....	717.	667.7	673.3	685.5	664.2	661.1	691.7	720.5	739.1	.....	.....	.....	691.1	178.1
21.....	.....	.....	.....	.....	.....	.....	.....	506.3	534.4	627.5	694.5	737.	619.9	171.7
22.....	734 2	700.9	667.	648.8	692.3	702 1	693.1	633.8	773.5	770.9	656.2	.....	697 5	208.8
24.....	479.	500.5	546.4	571.7	609.3	646.6	664.6	659.9	652.7	629.	560.7	505.5	585.5	214.3
25.....	528.	555.3	573.7	557.9	572.	528.7	600.4	619.3	632.9	630.9	643.4	663.6	592.2	212.9
26.....	674.8	718.9	716.1	667.4	655.8	656.4	695.2	723.3	744.6	745.	777.	785.3	713.3	226.
27.....	746.	709.8	732.5	784.6	770.2	728.2	672.7	681.7	688.9	664.7	615.2	623.3	701.5	229.
28.....	644.	680.1	677.4	660.7	655.	646.7	656.5	675.	682.1	681.	660.7	661.5	665.	219.5
29.....	657.3	678.	670.6	635.9	577.9	568.2	652.4	710.	749.1	779.2	776.9	774.	685.8	217.4
31.....	731.4	711.6	762.7	792.7	822.8	816.3	783.7	770.2	788.5	796.5	787.7	770.2	777.8	262.1
Means.....	648.6	660.9	664.5	661.1	664.	668.1	688.5	691.2	709.8	712.	700.4	680.3	679.4	
Reduced to 32° F.	192.3	189.8	204.2	199.4	195.8	186.2	193.1	178.2	188.7	211.2	215.8	214.6		197.5

Göttingen time / Observatory time	h. m. 5 58 / 0 17½	h. m. 7 58 / 2 17½	h. m. 9 58 / 4 17½	h. m. 11 58 / 6 17½	h. m. 13 58 / 8 17½	h. m. 15 58 / 10 17½	h. m. 17 58 / 12 17½	h. m. 19 58 / 14 17½	h. m. 21 58 / 16 17½	h. m. 23 58 / 18 17½	h. m. 1 58 / 20 17½	h. m. 3 58 / 22 17½	Means.
Jan. 1	62.9	63.9	60.6	61.1	64.3	66.	64.	67.	72.	68.6	64.	58.3	64.4
3	50.6	48.1	44.2	42.3	54.	60.3	63.	69.	71.9	69.8	68.	65.9	58.9
4	67.	69.1	67.2	62.3	69.2	70.2	69.	71.3	71.3	73.	72.	67.2	69.1
5	64.7	67.2	66.5	64.9	66.	67.	....	67.5	66.2	66.	63.	60.8	65.4
6	62.	61.	59.	59.	57.6	58.3	61.5	64.	62.	63.5	63.	64.	61.2
7	66.2	68.6	65.2	....	67.8	68.	69.	68.	67.7	68.	67.4	67.9	67.6
8	68.	68.3	67.	69.	66.	67.4	72.	74.	75.	72.	69.	66.	69.4
10	70.9	74.2	77.8	78.2	75.9	75.	74.	75.	74.9	75.	75.7	75.8	75.2
11	77.	74.8	72.	75.1	75.	75.5	77.	76.7	74.7	73.5	72.9	74.	74.8
12	72.	69.3	70.5	72.7	70.	72.	70.7	73.3	74.	71.6	72.2	71.3	71.6
13	72.6	72.7	72.2	71.2	67.8	69.8	68.1	68.	73.	69.5	66.8	64.	69.6
14	68.	68.3	65.5	64.	66.5	66.2	70.	70.5	70.	68.	68.6	65.5	67.6
15	66.6	67.8	67.	67.8	66.5	68.9	70.2	75.1	74.9	69.	65.2	63.8	68.6
17	62.3	67.2	71.4	73.6	72.1	72.2	71.4	73.	72.1	71.8	71.	70.	70.7
18	....	74.	73.5	70.5	70.6	76.	77.9	77.	76.9	73.	72.6	63.	73.2
19	70.	75.4	72.	68.	70.2	71.2	72.	74.4	76.	73.	73.	72.3	72.3
20	68.9	67.2	69.5	69.5	66.7	69.5	71.7	73.8	73.6	....	....	....	70.
21	....	....	....	....	....	....	....	56.9	60.	67.	70.	72.	65.2
22	69.	67.1	64.3	66.2	69.2	67.8	68.8	71.	75.	69.4	62.	....	68.2
24	52.2	55.1	57.2	59.2	62.4	64.	66.	64.4	64.4	60.5	55.7	53.3	59.5
25	55.	58.	58.3	58.5	58.8	55.8	60.	63.8	62.	63.1	63.5	65.	60.1
26	66.1	69.2	66.	63.	64.	65.2	67.5	70.2	70.6	70.	74.	71.5	68.1
27	67.9	68.2	70.2	73.5	70.9	66.5	64.4	67.5	67.	63.	61.6	63.	67.
28	64.6	67.2	64.2	65.3	63.8	64.	64.3	67.3	67.	65.6	64.	63.	65.
29	65.5	66.	64.5	61.2	58.	61.	67.	70.8	72.	71.9	71.1	71.	66.7
31	68.3	65.5	67.8	73.	74.	71.2	69.9	70.6	72.4	71.6	70.4	68.2	70.2
Means	65.8	66.9	66.1	66.2	66.7	67.7	68.7	70.	70.6	69.1	67.9	66.5	67.7

Correction for temperature, 13.5 divisions of the scale for one degree Fahrenheit.

Göttingen time.. Observatory time	h. m. 6 02 0 21½	h. m. 8 02 2 21½	h. m. 10 02 4 21½	h. m. 12 02 6 21½	h. m. 14 02 8 21½	h. m. 16 02 10 21½	h. m. 18 02 12 21½	h. m. 20 02 14 21½	h. m. 22 02 16 21½	h. m. 0 02 18 21½	h. m. 2 02 20 21½	h. m. 4 02 22 21½	Means.	Reduced to 32° F.
Jan. 1.....	560.3	565.	556.9	550.7	550.9	591.1	583.3	609.2	601.	589.7	575.7	564.2	574.8	502.2
3.....	555.7	538.4	522.	508.1	493.6	519.2	533.1	525.3	538.5	548.1	548.2	551.5	531.8	477.8
4.....	533.7	537.5	541.	551.7	550.4	567.6	576.7	566.4	545.5	553.1	563.5	574.	555.1	473.3
5.....	552.6	544.5	536.3	547.7	533.4	560.6	552.2	538.3	546.6	561.	543.5	543.5	546.7	476.2
6.....	540.7	543.1	555.5	535.	542.	554.7	569.	555.	536.2	556.4	556.4	548.8	549.4	486.
7.....	562.9	579.4	577.6	568.3	575.	573.4	592.5	572.8	575.9	567.3	566.	573.3	573.7	491.4
8.....	566.8	569 9	563.6	563 3	564.1	586.	585.	566.4	566.	572.3	573.8	572.7	570.8	485.2
10..	556.7	554.	559.3	563.2	568.9	586.7	579.6	551.7	549.3	562.5	565.2	576.4	564.4	466 1
11.....	591.6	590 9	572.6	565.2	552.	579.6	582.3	568.1	577.9	585.2	590.5	577.5	577.8	481.1
12.....	566.	569.1	554.2	566.9	564.1	575.8	576.1	557.1	561.	567.1	567.2	568.9	566.1	476.5
13.....	563.	559.5	558.	557.1	559.2	568.3	570.7	550.3	544.1	550.3	554.4	547.8	556.9	475.1
14.....	538.6	538.8	540.5	539.5	543.8	577.2	581.	558.2	556.3	556.7	558.7	553.7	553.6	473.7
15.....	555.4	554.6	552.8	547.2	547.2	573.7	567.4	545.6	546.	612.4	573.4	515.3	557.6	476.9
17.....	549.4	547.6	548.9	558.2	568.5	591.8	607.6	586.5	571.7	568.3	573.7	569 3	570.1	483.7
18.....	.....	552.1	563.	563.	548.9	603.6	629.	617.7	606.3	610.2	601.	605.8	591.	498.4
19.....	584.3	578.4	580.4	570.	572.3	592.	588.4	586.2	576.3	591.8	572.7	582.2	581.3	488.4
20.....	582 7	571.	565.1	569.3	568.1	593.1	599.3	580.2	575.7	582.6	581.6	581.2	579.2	486.6
21.....	586.	579.1	574.7	567.7	565.3	576.	568.4	544.4	518.7	564.4	559.2	565.2	564.1	488.5
22.....	552.2	556.5	543.	532.6	542.1	570.3	573.2	563.3	539.3	553.5	541.8	535.9	550.3	475.8
24.....	502.3	511.9	510.2	505.2	506.3	540.1	540.2	529.8	556.	545.	532.6	531.2	525.9	471.1
25.....	509.9	528.6	532.6	527.4	532.7	548.5	545.5	570.4	547.5	547.7	539.7	549.8	540.	480.6
26.....	542.8	549.9	552.5	542.4	541.5	551.8	570.3	569.5	556.8	556.6	560.2	567.5	555.1	473.3
27.....	568.3	557.	555.1	553.	551.1	560.	552.9	551.6	555 8	548.5	549.	541.1	553.6	477.2
28.....	542.3	542.2	543.3	532.3	531.2	553.3	559.2	557.	543.6	568.3	558.3	565.3	549 7	476.3
29.....	555.9	554.5	554.6	551.9	538.7	550.9	588.7	578.	577.	586.7	587.3	582 3	567.2	485.1
31.....	578.2	560.9	558.4	558.7	568.6	611.5	614.3	580.2	584.7	584.3	589.2	586.9	581.3	503.8
Means.....	555.9	555.2	552.8	550.	549.2	571.4	576.4	564.6	559.7	568.8	564.7	562.7	561.	
Reduced to 32° F.	480.0	477.4	476.7	474.	473.1	493.4	497.	480.1	473.8	484.3	482.1	484.1		481.4

Göttingen time / Observatory time	h. m. 6 02 / 0 21½	h. m. 8 02 / 2 21½	h. m. 10 02 / 4 21½	h. m. 12 02 / 6 21½	h. m. 14 02 / 8 21½	h. m. 16 02 / 10 21½	h. m. 18 02 / 12 21½	h. m. 20 02 / 14 21½	h. m. 22 02 / 16 21½	h. m. 0 02 / 18 21½	h. m. 2 02 / 20 21½	h. m. 4 02 / 22 21½	Means.
Jan. 1	57.4	58.1	56.	56.1	58.6	59.9	58.9	60.9	62.7	62.	60.	55.8	58.9
3	49.5	47.1	43.	40.1	46.2	50.7	52.3	57.8	60.	60.	60.	56.9	52.
4	58.3	60.	60.1	60.6	61.9	62.9	62.2	64.	64.1	65.7	65.6	62.2	62.3
5	59.1	59.3	58.7	57.3	57.5	58.	57.3	59.	59.	58.9	57.4	55.6	58.1
6	55.8	55.	53.2	53.	51.7	52.3	55.2	57.	57.	58.	58.6	59.1	55.5
7	61.	62.4	60.8	61.8	62.6	63.	....	64.	63.	63.	63.	63.	62.5
8	63.	63.1	62.	62.5	61.	61.4	64.5	66.5	68.	66.2	64.6	62.	63.7
10	65.2	67.2	69.9	70.9	69.6	68.8	67.8	68.2	68.	69.	68.2	68.3	68.4
11	69.1	67.9	66.1	67.	67.2	67.8	69.2	69.8	68.2	68.	67.	66.9	67.8
12	66.	64.2	64.	64.8	63.2	65.	64.7	66.	67.	65.8	66.2	65.6	65.2
13	65.9	66.	65.5	64.2	61.5	62.	61.	61.	61.4	61.2	60.	58.	62.3
14	59.	60.2	59.	57.8	59.	59.7	62.8	63.5	64.1	63.	63.5	68.3	61.6
15	61.3	62.	61.5	61.5	60.5	61.8	62.3	65.7	66.	62.8	59.8	58.	61.9
17	57.5	60.3	63.2	65.2	65.1	65.3	65.	66.2	66.2	65.3	65.	64.	64.
18	....	66.	65.7	64.	64.	67.2	69.	70.3	68.	67.8	66.8	60.1	66.3
19	63.9	67.6	65.2	62.	63.2	65.3	66.	68.6	70.2	69.	68.5	67.7	66.4
20	65.3	63.7	64.5	64.5	62.5	64.7	67.	69.2	70.	68.9	68.	67.8	66.3
21	66.2	64.5	63.3	61.2	60.	57.	55.	54.3	56.	60.	61.2	61.5	60.
22	60.3	59.4	57.5	58.2	60.6	60.8	61.	62.9	61.9	61.4	56.6	52.	59.6
24	45.6	47.5	49.2	51.	53.6	55.1	56.2	57.	57.3	55.	51.5	49.3	52.3
25	49.7	51.2	51.4	51.7	52.3	50.3	53.5	57.	57.	57.7	57.8	58.5	54.
26	60.	62.	60.5	58.	58.5	59.7	61.3	64.2	65.	65.	67.1	65.9	62.3
27	63.3	63.	64.2	65.5	63.	60.	57.6	59.	59.	56.	55.8	56.8	60.3
28	59.1	60.	58.4	58.5	58.2	58.5	58.7	60.8	60.6	60.3	59.3	57.8	59.2
29	60.	60.3	58.5	58.	56.2	58.	61.9	65.5	67.2	68.	67.8	67.3	62.4
31	62.	61.8	65.	66.7	68.	67.	66.3	67.	68.	68.7	67.5	....	60.7
Means	60.1	60.8	60.2	60.1	60.2	60.9	61.4	63.3	63.8	63.3	62.6	61.1	61.5

Degrees Fahrenheit. Correction for temperature, 2.7 divisions of the scale for one degree Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 54	h. m. 14 00	h. m. 14 06	h. m. 13 52	h. m. 13 58	h. m. 14 04	Temperature Fahrenheit.	h. m. 13 56	h. m. 14 02	h. m. 14 08	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 11½	8 17½	8 23½		8 15½	8 21½	8 27½	
Jan. 1.....	547.9	551.7	554.	590.	592.4	594.1	64.3	553.2	550.9	548.3	58.6
3.....	563.3	564.	563.2	390.3	390.6	402.3	54.	495.	493.6	494.6	46.2
4.....	556 5	557.4	558.2	668.5	672.1	673.5	69.2	552.2	550.4	552.5	61.9
5.....	561.	561.3	561.	630.8	632.1	632.9	66.	532.7	533.4	532.3	57.5
6.....	563.	562.3	562.9	514.6	513.7	511.6	57.6	538.5	542.	540.	51.7
7.....	573.4	574.1	574.	664.5	663.9	661.3	67.8	577.2	575.	576.	62.6
8.....	578.3	578.6	579.	667.2	666.	665.1	66.	565.7	564.1	565.6	61.
10.....	573.8	573.9	573.3	812.8	810.8	810.2	75.9	569.5	568.9	568.8	69.6
11.....	578.5	579.5	579.5	777.5	778.3	780.7	75.	555.6	552.	548.8	67.2
12.....	572 6	573.6	573 5	719.9	719.3	719.5	70.	564.7	564 1	558.3	63.2
13.....	575.2	575.6	575.4	710.7	707.	703.6	67.8	561.6	559.2	558.7	61.5
14.....	572.6	572.9	573.1	627.8	629.1	630.4	66.5	541.9	543.8	546.1	59.
15.....	576.6	576.7	575.6	659.6	661.2	658 5	66.5	547.	547.2	550.4	60.5
17.....	576.3	578.1	577.7	747.5	748.3	746.9	72.1	565.1	568 5	567.5	65.1
18.....	575.4	577.1	576.8	712.6	712.7	714.4	70.6	552.7	548.9	548.	64.
19.....	578.2	580.4	541.3	680.7	683.8	681.5	70.2	572.5	572.3	574.2	63.2
20.....	575.9	576.2	576.8	665.3	664.2	662.6	66.7	568.6	568.1	566.9	62.5
21.....	574.3	575.9	575.8	.....	.....	.....	....	568.6	565.3	562.4	60.
22.....	571.6	570.8	573.1	690.1	692.3	694.6	69.2	539.9	542.1	542.5	60.6
24.....	572.4	570.9	570.5	608.5	609.3	611.9	62.4	506.2	506.3	507.8	53.6
25.....	572.9	574.1	575.5	572.7	572.	571.7	58.8	530.8	532 7	530.5	62.3
26.....	571.9	572.5	572.5	656.7	655.8	655 4	64.	542.1	541.5	541.	58.5
27.....	576.1	575.1	574.8	773.2	770.2	772.4	70.9	553.6	551.1	550.8	63.
28.....	573.7	574.5	574.5	654.2	655.	651.6	63 8	532.2	531.2	530.5	58.2
29.....	573.6	573.1	574.2	579.4	577.9	574.6	58.	537.7	538.7	540.4	56.2
31.....	566.5	568.2	570.5	821.4	822.8	823.2	74.	570.1	568.6	568.4	68.

The observations of declination from 7th to 29th inst. should have a correction of — 3.5 applied to them, to reduce them to the standard of the first day of the month.

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
Feb. 1	568.3	558.	554 5	566.7	565.6	555.4	547.	551.9	561.	559.7	575.9	565.4	560.8
2	560.5	558.9	559.9	547.	570.5	563.3	554.1	554.8	559.3	561.6	561.3	564.8	559.7
3	562.1	561.2	564.2	566.8	562.7	563.3	556.	554.8	559.8	559.4	566.2	570.	562.2
4	561.1	561.2	560.5	562.9	567.1	564.	554.	555.7	559.7	562.	565.5	566.9	561.7
5	567.2	564.8	566.2	564.9	569.8	567.8	560.1	558.1	560.8	562.3	562.9	564.8	564.1
7	573.	571.8	568.2	569.9	562.2	551.	556.8	560.7	570.5	563.	563.3	563.9	564.5
8	564.1	564.5	564.6	564.	568.9	.....	560.2	559.3	560.5	566.3	569.	566.5	564.3
9	565.5	563.7	562.5	564.	569.2	567.9	559.3	559.	563.3	563.9	566.2	565.	564.1
10	563.5	565.1	565.2	564.9	569.5	569.9	562.2	557.2	559.9	564.7	566.9	564.4	564.4
11	564.8	564.6	564.1	565.5	569.5	569.8	556.1	548.8	544.2	561.5	568.2	577.	562.8
12	575.8	566.5	557.8	570.6	570.	565.5	558.9	554.2	551.5	557.6	560.1	561.7	562.5
14	555.5	555.5	556.3	555.7	558.7	561.6	560.5	550.8	552.9	562.	565.6	570.1	558.8
15	566.	567.3	565.7	566.	569 6	569.4	563.8	561.8	562.6	561.9	565.1	565.5	565.4
16	567.6	565.2	567.2	565.3	566.5	.....	560.6	549.7	552.7	560.9	564.	562.7	562.
17	565.	567.2	564.8	560.3	556.5	568.2	554.2	559.1	558.	558.2	558.4	560.5	560.9
18	566.3	567.4	567.	568.3	559.6	558.1	555.5	552.	548.3	565.5	571.2	567.	562.2
19	567.	564.9	547.1	560.2	552.2	557.6	558.3	561.3	558.8	571.6	568.9	567.9	561.3
21	565.1	562.7	563.2	563.1	568.6	566.7	562.	559.	558.2	561.1	562.7	567.6	563.3
22	563.3	563.7	564.1	563.7	567.	564.3	558.3	558.	560.2	560.6	568.2	557.5	562.4
23	562.1	563.5	564 3	566.	567.3	567.3	559.8	556.9	559.2	561.7	562.3	569.7	563.3
24	565.8	568.7	574.1	575.4	571.1	567.	550.4	551.2	536.5	543.6	541.3	573.9	559.9
25	561.3	563.4	565.7	.....	568.	566.5	562.6	558.3	564.6	562.4	562.2	561.3	563.3
26	563.3	559.6	564.9	564.1	570.4	566.9	557.8	553.7	559.1	561.5	571.3	563.4	563.
28	565.4	565.3	564.2	566.9	572.5	566.8	557.8	555.4	560.8	565.3	569.6	566.	564.7
Means	565.	563.9	563.2	564.4	566.4	564.5	557.8	555.9	557.6	561.6	564.8	566.	562.5

Göttingen time.. Observatory time.	h. m. 5 58 0 17½	h. m. 7 58 2 17½	h. m. 9 58 4 17½	h. m. 11 58 6 17½	h. m. 13 58 8 17½	h. m. 15 58 10 17½	h. m. 17 58 12 17½	h. m. 19 58 14 17½	h. m. 21 58 16 17½	h. m. 23 58 18 17½	h. m. 1 58 20 17½	h. m. 3 58 22 17½	Means.	Reduced to 32° F.
Feb. 1	785.5	765.5	769.7	763.2	745.4	752 8	742.9	729.	720.8	719.3	723.7	723.7	745.1	269.9
2	702 7	687 8	701.3	730.	710.3	754.6	749.9	737.2	771.1	807.6	781.6	781.1	742.9	251.5
3	784.9	787.9	806.	820.3	821.1	844.6	837.3	817 8	797.7	799.	798.7	731.2	803.9	245.
4	857.3	864.6	870.5	884.	875.3	893.8	895.	870.5	846.7	826.1	813.6	793.6	857.6	262.3
5	778.	757.	749 7	719.1	675 1	638.2	618.5	605.8	596.6	583.7	564.5	543.2	651.6	264.2
7	701.4	667.2	610.8	575.	546.4	541.5	579.5	682.9	721.	737.9	765.7	765.4	657.9	267.8
8	781.8	803.7	818.9	815.1	796.9	.....	792.1	766.	758.1	741.	695.5	648.5	765.5	289.
9	618.4	605.5	572.2	533.5	550.7	595.1	638.5	655.	678.7	675.4	661.	629.6	617.8	277.6
10	641.6	688 2	734.7	725.4	723.	750.4	749.	782.2	783.2	782.	761.2	756.9	739.8	272.7
11	763.8	806.7	835.	823.5	840.7	816.3	793.9	778.8	779.4	761.6	744.	725.6	789.1	270.7
12	739.7	788.2	797.5	818.1	809.4	791.5	790.4	791.	775 2	782.1	769.2	744.6	783.1	271.4
14	737.4	753.1	820.	8 0.	819.	795.1	796.3	781.6	776.6	769.5	715.5	678.5	771.9	281.9
15	.....	694.1	689.9	701.4	695.	693.7	729.8	746.5	743.1	713.2	712.8	713.5	712.1	268.
16	701.8	724.	717.6	693.3	680 8	.....	701.2	707.5	707.1	699.	683.6	642.	696.4	272.5
17	632.9	684 5	711.7	675.4	665.7	521.9	596.7	581.5	583.4	578.	537.5	557.2	610.8	262.5
18	550.3	530.8	608.	635.8	669.9	694.5	690.	657.7	650.1	648.5	594.6	677.	633.9	247.8
19	619.5	742.4	759.1	724.6	710.4	718.	715.5	695.8	719.9	733.1	625.9	612.3	700.5	226.7
21	457.1	520.	565 2	560.	567.9	573.2	583.3	618.8	627.4	659.3	672.5	669.6	589.5	212.8
22	662.5	634.7	648.6	676.9	674.	644 5	676.8	702.8	723.8	710.	698.2	649.	675.1	226.9
23	624.1	644.6	664.3	643.5	605.	620.1	650.2	637.6	629.9	608.5	581.5	567.2	623.	230.2
24	590.8	610.8	603.	617.	623.1	636.3	644.5	643.7	641.2	627.7	608.4	614.1	621.7	193.8
25	600 3	613.7	621 8	.....	604.7	607.6	628.4	627.5	622.8	619.9	618.3	633.	617.8	204.7
26	631.8	638.2	648.6	676.6	677.3	656.7	646.3	654.5	657.1	658.	646.	626.2	652 3	212.2
28	573.9	540.2	503.5	475.	537.1	620.8	657.9	688.2	736.9	765 8	751.8	736.8	632.3	193.6
Means	677.1	689.7	700.7	700 3	692.6	689.1	704.3	706.8	710 3	708.6	688.5	675.8	695.5	
Reduced to 32° F.	253.2	248.3	259.3	258.9	252.5	240.9	245.3	237.	237.8	256.4	252.5	249.2		249.3

Göttingen time / Observatory time	h. m. 5 58 / 0 17½	h. m. 7 58 / 2 17½	h. m. 9 58 / 4 17½	h. m. 11 58 / 6 17½	h. m. 13 58 / 8 17½	h. m. 15 58 / 10 17½	h. m. 17 58 / 12 17½	h. m. 19 58 / 14 17½	h. m. 21 58 / 16 17½	h. m. 23 58 / 18 17½	h. m. 1 58 / 20 17½	h. m. 3 58 / 22 17½	Means.
63 Feb. 1	69.1	69.4	69.	67.7	67.6	67.9	66.4	67.	65.8	65.8	66.4	65.	67.2
2	63.1	63.3	66.2	65.5	67.	69.3	67.4	71.	77.	70.4	69.7	70.6	68.4
3	70.8	71.7	73.6	72.5	74.7	76.	74.5	....	72.5	72.	73.	75.6	73.4
4	76 7	76.8	78.2	77.9	77.3	79.7	78.3	76.3	74.7	73.3	72.1	71.4	76.1
5	70.	68.7	67.2	65 2	62.	59.8	59.2	59.1	57.6	54.4	53.5	52.	60.7
7	62.7	59 2	55.7	53.4	52.5	52.8	58.	65.3	65.7	68.1	68.7	68.5	60.9
8	70.7	72.1	72.2	70.8	69.3	....	69.3	66.9	66.6	65.	59.8	57.8	67.3
9	55.8	54.9	52.	49.8	52.8	56.6	59.3	61.5	69.1	59.2	59.	57.1	57.2
10	59.3	64.1	66.2	65.4	65.3	67.3	67.5	71.2	69.3	68.8	67.	68.3	66.6
11	68.1	74.4	71.8	73.8	73.5	71.	71.	71.	70.	68.	66.5	65.2	70.4
12	68.3	71.5	70.	73.	70.2	69.9	71.1	71.4	69.	70.	68.2	66.9	69.9
14	65.7	67.	72.3	72.8	70.8	70.3	70.9	69.5	70.7	66.1	63.8	59.8	68.3
15	....	65.7	62.	63.7	63.	63 5	67.	69 2	66.4	63.3	65.7	64.8	64.9
16	62.8	65.3	63.7	62.6	62.8	....	64.7	65.5	64.4	64.	62.5	59.2	63.4
17	60.2	64.	62.6	60.4	59.8	55.8	56 5	56.7	56.1	54.2	53.2	53.9	57.8
18	52.6	53.2	59.7	60.	62.2	64.	63.2	61.8	61.3	62.2	64.8	62 2	60.6
19	62.2	70.2	68 8	67.	68.2	70.2	67.6	68.6	70.6	67.5	60.1	64.	67 1
21	50.4	56.6	57.	57.2	58.	58.6	60.4	63.2	62.7	65.	64.8	64.7	59.9
22	63.3	61.4	64.2	65.3	64.3	63.7	67.8	70.2	68.3	67.3	64.6	61.6	65.2
23	61.3	59.3	59 2	61.3	60.5	63.	63.3	64.	63.1	60.5	58.3	59.1	61.1
24	61.4	62.	61.4	62.2	62.4	64.1	65.4	67.3	66.3	65.6	63.6	62.8	63.7
25	62.	63.6	62.	....	61.1	62.1	63.9	62.3	62.7	61.9	63.3	63.8	62.6
26	63.3	63.7	66.1	67.2	65.2	63 6	64.9	65.5	65.2	64.7	63.2	62.3	64.6
28	58.3	55.7	53.	54.2	60.8	64.9	66.5	71.	74.8	73.8	70.9	70.4	64.5
Means	63.4	64.7	64.7	64.7	64.6	65.2	66.	66.8	67.	65.5	64.3	63.6	65.

Degrees Fahrenheit.

Göttingen time.. Observatory time	h. m. 6 02 0 21½	h. m. 8 02 2 21½	h. m. 10 02 4 21½	h. m. 12 02 6 21½	h. m. 14 02 8 21½	h. m. 16 02 10 21½	h. m. 18 02 12 21½	h. m. 20 02 14 21½	h. m. 22 02 16 21½	h. m. 0 02 18 21½	h. m. 2 02 20 21½	h. m. 4 02 22 21½	Means.	Reduced to 32° F.
Feb. 1.....	578.3	565.	560.6	553.8	559.8	571.8	580.7	572.7	550.3	583.	590.6	567.4	569.5	488.5
2.....	571.7	560.4	552.2	546.1	555.6	597.3	606.8	589.3	568.9	572.3	580.8	583.6	573.7	490.8
3.....	584.8	588.1	591.1	596.2	597.8	617.	630.	631.1	606.	618.3	602.1	612.6	606.3	502.4
4.....	613.4	614.8	614.6	615.7	625.5	635 3	650.6	635.	619.4	619.7	621.7	613.6	623.3	509.4
5.....	613.7	611.6	601.3	584.8	579.2	572.	579.	567.3	556.1	558.	556.	557.3	578.	504.3
7.....	603.7	601.1	585.9	569.2	593.8	578.	569.5	580.7	601.1	591.6	593.5	592.5	588.4	516.9
8.....	590.	589.3	578.4	573.6	570.5	587.9	610.6	593.1	561.1	590.9	549.7	539.1	577.8	497.1
9.....	530.	520.7	524.	511.4	515.3	533.9	554.8	541.5	536.	534.3	537.7	536.4	531.3	483.5
10.....	534.6	529.	546.6	546.6	538.3	555.8	580.1	581.8	565.9	566.1	571.3	575.1	557.6	478.5
11.....	569.	565.8	572.5	555.2	560.8	586.9	608.7	591.3	608.9	638.7	646.5	644.9	595.8	504.8
12.....	648.7	644.7	623.2	601.4	591.7	596.5	592.7	600.	600.4	593.5	592.	610.5	607.9	514.8
14.....	574.1	564.8	572.2	579.	580.3	577.5	591.4	596.5	586.2	574 5	559.4	564.3	576.7	491.9
15.....	543.7	544.5	544.7	540.7	538.9	543.1	558.2	545.4	551.6	561.7	556.5	554.1	548.6	481.9
16.....	557.6	560.4	560.6	563.2	557.	584.5	596.	561.8	559.4	553.5	552.6	611.2	576.5	504.1
17.....	596.4	561.	552.7	555.	509.4	525.6	557.1	528.	537.5	537.2	542.7	548.	545.9	497.6
18.....	549.2	533.6	541.	534.7	565.2	553.5	593.8	589.6	590.4	590.	594.3	596.8	569.3	507.5
19.....	585.	599.1	615.2	605.	625.	602.4	636.1	575.5	571.4	580.3	575.2	546.1	593.	510.4
21.....	535.1	539.4	544.9	542.6	541.3	554.8	555.5	551.1	562.1	560.3	558.2	561.7	550.6	490.7
22.....	559.1	558.	549.9	549.9	555.7	554.1	560 6	565.8	566.9	568.2	563.8	566.4	559.9	485.1
23.....	558.4	550.2	543.	552.	549.8	558.2	560.2	552.4	553.9	552.8	562.2	551.7	553.7	485.4
24.....	553.7	564.2	546 8	545.	535 7	579.1	636.7	631.8	649.7	658.	655.	634.	599.1	522.2
25.....	610.9	608 2	602.8	.....	585.2	591.3	564.4	571.7	593.5	574.7	592.	595.5	590.	515.2
26.....	595.	577.2	594.4	588.8	598.2	610.4	612.5	598.	586.3	588.	594.3	583.7	593.9	514.3
28.....	571.6	566.7	552.1	534.3	543.2	571.	583.2	568.2	563.5	564.8	602.6	595.	568.	489.7
Means.....	576.1	571.6	569.6	562.8	565.5	576.6	590.4	580.	576.9	580.4	585.4	580.9	576.4	
Reduced to 32° F.	503.2	496.	493.7	487.5	490.4	499.1	511.6	499.3	495.4	500.8	508.7	506.4		499.4

Göttingen time / Observatory time	h. m. 6 02 / 0 21½	h. m. 8 02 / 2 21½	h. m. 10 02 / 4 21½	h. m. 12 02 / 6 21½	h. m. 14 02 / 8 21½	h. m. 16 02 / 10 21½	h. m. 18 02 / 12 21½	h. m. 20 02 / 14 21½	h. m. 22 02 / 16 21½	h. m. 0 02 / 18 21½	h. m. 2 02 / 20 21½	h. m. 4 02 / 22 21½	Means.
Feb. 1	65.6	64.5	63.2	62.3	61.7	61.9	61.2	61.2	60.7	60.5	60.8	61.	62.
2	59.	58.5	60.4	60.5	61.	63.	62.	65.	66.1	65.2	65.2	66.2	62.7
3	66.8	67.9	69.7	69.6	70.5	72.	72.	71.2	71.	71.	71.4	73.	70.5
4	74.	74.2	75.7	75.5	75.	77.	76.3	75.	73.2	72.7	71.6	70.5	74.2
5	69.	67.9	66.2	64.2	60.8	58.1	57.	56.	55.5	53.8	52.	50.7	59.3
7	60.2	57.6	54.7	52.5	51.5	51.8	55.8	61.	62.	64.6	65.	65.	58.5
8	66.1	66.8	66.5	65.3	63.8	66.7	65.	61.	59.8	58.	53.	50.5	61.9
9	48.5	47.	45.	44.	46.3	49.3	51.	54.	53.2	53.	53.5	52.1	49.7
10	53.5	57.4	59.2	59.4	59.5	61.1	61.8	65.4	66.	65.	63.5	63.9	61.3
11	63.4	67.3	66.	67.	66.9	66.	66.	66.	67.	65.5	64.4	62.7	65.7
12	64.3	66.7	66.	68.	66.5	66.3	67.6	67.	67.5	67.	66.	64.5	66.4
14	62.7	64.3	67.3	67.5	67.	66.	66.	64.3	64.6	60.9	57.4	53.	63.4
15	51.7	55.6	53.8	54.9	56.1	56.	58.3	59.8	59.4	57.8	58.8	58.5	56.7
16	57.3	59.7	58.7	58.4	57.5	59.4	60.3	61.4	60.6	59.5	58.2	54.6	58.8
17	53.5	54.4	53.5	51.1	50.3	48.	48.	47.6	49.8	47.9	47.2	47.9	49.9
18	47.	47.5	52.3	52.8	54.9	56.9	57.2	56.3	56.8	57.7	60.6	59.	54.9
19	58.5	64.3	64.6	64.7	65.6	66.5	64.3	63.8	64.7	62.2	55.8	56.3	62.6
21	45.7	49.8	51.4	51.3	53.3	53.2	54.1	56.6	57.	59.2	59.6	59.1	54.2
22	57.7	56.	57.6	59.	58.6	58.3	61.5	63.5	63.4	62.6	60.5	57.2	59.7
23	56.2	58.1	58.1	56.	55.9	57.3	58.	58.8	59.	57.7	56.	56.	57.3
24	58.7	58.6	57.7	58.7	59.3	60.6	61.6	62.9	63.6	63.1	61.4	60.4	60.5
25	59.5	60.5	59.9	....	58.3	58.7	60.2	59.3	59.8	59.3	60.2	61.	59.7
26	60.3	60.7	62.6	63.8	62.6	61.	61.5	62.1	62.2	62.2	59.9	59.7	61.5
28	56.1	53.7	51.2	51.	52.3	61.4	62.7	65.9	70.8	70.7	68.4	67.9	61.
Means	59.	60.	60.1	59.9	59.8	60.7	61.2	61.9	62.2	61.5	60.4	59.6	60.5

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 54	h. m. 14 00	h. m. 14 06	h. m. 13 52	h. m. 13 58	h. m. 14 04	Temperature Fahrenheit.	h. m. 13 56	h. m. 14 02	h. m. 14 08	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 11½	8 17½	8 23½		8 15½	8 21½	8 27½	
Feb. 1.....	563.4	565.6	568.4	745.2	745.4	746.7	67.6	558.3	559.8	562.5	61.7
2.....	569.5	570.5	570.8	708.2	710.3	710.8	67.	559.7	555.6	554.8	61.
3.....	557.	562.7	564.2	817.2	821.1	821.	74.7	597.5	597.8	595.1	70.5
4.....	567.1	567.1	567.3	875.2	875.3	876.3	77.3	624.8	625.5	625.4	75.
5.....	570.1	569.8	570.	677.5	675.1	672.9	62.	.....	579.2	579.	60.8
7.....	565.4	562.2	556.3	546.9	546.4	546.6	52 5	581.5	593.8	612.2	51.5
8.....	566.8	568.9	569.8	799.6	796.9	795.7	69.3	569.2	570.5	570.8	63.8
9.....	568.5	569.2	569.	548.5	550.7	553.2	52.8	515.6	515.3	515.	46.4
10.....	568.6	569.5	569.2	722.2	723.	723.5	65.3	538.2	538.3	537.5	59.5
11.....	567.	569.5	568.7	840.1	840.7	839.3	73.5	561.8	560.8	560.6	66.9
12.....	573.4	570.	573.	810.3	809.4	808.2	70.2	591.6	591.7	591.5	66.5
14.....	559.9	558.7	561.2	817.1	819.	815.	70.8	579.2	580.3	577.3	67.
15.....	568.	569.6	571.7	695.5	695.	694.4	63.	538.4	538.9	538.2	56.1
16.....	569.	566.5	573.2	678.7	680.8	681.3	62.8	557.6	557.	556.8	57.5
17.....	556.5	556.5	560.7	669.9	665.7	663.4	59.8	506.2	509.4	509.2	50.3
18.....	567.9	559.6	559.8	670.1	669.9	670.8	62.2	562.3	565.2	554.2	54.9
19.....	554.	552.2	548.6	.....	710.4	678.3	68.2	624.2	625.	629.7	65.6
21.....	567.7	568.6	568.5	569.	567.9	565.3	58.	543.9	541.3	544.8	53.3
22.....	565.	567.	566.5	673.	674.	672.8	64.3	556.3	555.7	557.2	58.6
23.....	568.	567.3	568.7	606.9	605.	603.7	60.5	551.4	549.8	550.4	55.9
24.....	573.5	571.1	571.2	624.2	623.1	622.8	62.4	537.4	535.7	541.8	59.3
25.....	567.4	568.	568.	603.3	602.7	603.	61.1	584.4	585.2	585.2	58.3
26.....	570.3	570.4	571.1	679.7	677.3	677.3	65.2	596.7	598.2	597.1	62.6
28.....	572.	572.5	572.4	532.6	537.1	542.1	60.8	542.8	543.2	542.9	52.3

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
Mar. 1	569.7	563.5	566.6	567.4	570.6	566.4	558.9	555.8	554.5	561.4	566.	565.6	563.9
2	563.2	564.4	567.9	566.8	562.4	566.	561.8	559.4	558.2	561.	564.6	565.9	563.5
3	568.9	564.5	565.5	566.6	572.7	568.8	558.7	556.9	558.1	560.	562.9	564.3	564.
4	564.2	569.2	566.3	563.	568.2	565.6	559.4	558.4	557.3	555.	563.	566.	563.
5	564.3	562.8	.....	564.9	570.8	566.8	554.3	559.8	552.	559.2	569.1	593.3	565.2
7	559.2	566.9	566.	564.5	570.1	562.6	555.6	556.2	561.	562.5	575.	568.4	564.
8	564.3	565.8	562.9	565.7	570.2	565.7	553.8	557.7	561.5	561.9	563.8	565.2	563.2
9	565.2	567.5	567.	565.5	572.9	570.2	554.	554.5	562.7	563.2	565.	566.1	564.5
10	567.7	566.1	566.4	566.7	571.1	569.4	560.7	556.9	563.6	564.9	566.4	566.5	565.5
11	565.3	564.7	566.	565.8	571.7	569.9	558.3	555.8	560.1	564.5	565.3	567.8	564.6
12	567.5	566.	566.8	572.1	571.6	568.7	557.5	557.1	561.2	562.7	566.1	566.8	565.3
14	568.9	566.5	572.6	575.5	576.	566.3	558.9	551.1	557.8	559.8	564.	565.8	565.3
15	563.9	564.3	562.5	568.4	575.1	566.6	557.1	547.5	546.5	545.7	564.7	562.9	560.4
16	561.7	565.9	562.4	566.6	575.	574.8	557.8	543.2	541.4	557.4	579.2	570.8	563.
17	576.6	562.	567.1	565.6	570.4	569.7	559.2	552.5	554.7	557.3	561.4	561.4	563.2
18	562.3	562.5	566.4	571.3	570.8	566.3	558.9	552.4	555.8	561.6	562.4	562.	562.7
19	563.8	566.1	572.2	566.7	562.5	563.7	552.7	548.	553.4	561.	561.4	562.	561.1
21	565.7	564.1	568.1	568.1	572.	567.	556.6	554.6	557.4	560.7	563.7	563.3	563.4
22	563.5	564.2	564.2	566.5	568.6	.....	549.8	552.5	556.7	559.1	559.4	562.7	560.7
23	569.8	563.9	565.9	560.9	577.	563.2	552.2	551.6	548.	561.9	567.9	562.	562.
24	564.9	556.9	557.6	561.9	572.9	565.	552.2	550.9	559.4	572.5	571.	566.6	562.6
25	562.8	563.1	557.	569.1	573.6	560.3	553.	549.2	556.5	562.3	565.3	562.1	561.2
26	558.7	558.	564.5	566.7	570.8	564.2	553.2	549.4	556.7	560.8	560.9	559.3	560.2
28	569.	568.3	563.6	556.6	570.4	558.9	549.	545.3	548.8	561.4	562.	561.5	559.6
29	560.4	560.	560.8	556.7	569.5	565.2	549.1	544.6	551.	556.6	567.5	571.5	559.4
30	570.2	567.2	561.1	564.2	563.3	563.8	556.7	542.5	551.5	556.9	555.9	568.6	560.2
31	558.3	557.2	556.4	562.6	570.4	567.5	553.3	551.3	549.	553.9	556.	560.	558.
Means	565.2	564.1	564.8	565.8	570.8	566.2	555.6	552.4	555.4	560.2	564.8	565.9	562.5

Göttingen time.. Observatory time.	h. m. 5 58 0 17½	h. m. 7 58 2 17½	h. m. 9 58 4 17½	h. m. 11 58 6 17½	h. m. 13 58 8 17½	h. m. 15 58 10 17½	h. m. 17 58 12 17½	h. m. 19 58 14 17½	h. m. 21 58 16 17½	h. m. 23 58 18 17½	h. m. 1 58 20 17½	h. m. 3 58 22 17½	Means.	Reduced to 32° F.
Mar. 1	737.1	707.2	694.4	672.1	685.2	703.5	702.4	703.8	742.7	730.	723.	719.2	719.	207.8
2	708.5	703.9	712.7	741.5	751.8	749.5	737.5	730.3	733.7	740.9	744.	735.2	732.5	203.3
3	723.8	715.9	728.	744.5	767.	772.	769.4	768.8	779.5	788.5	800.5	800.9	763.2	198.9
4	796.7	791.1	782.1	770.1	768.3	773.4	776.	770.9	783.	793.7	797.	789.9	782.7	203.5
5	781.7	762.2	.....	720.7	696.9	693.6	692.2	697.8	621.8	693.6	685.4	658.5	700.4	196.9
7	589.5	615.9	737.	644.	653.	654.4	656.1	658.8	658.	658.3	658.4	635.	651.5	201.6
8	613.8	590.4	581.7	590.1	611.	637.6	631.1	635.3	644.5	647.5	632.7	606.5	618.5	194.6
9	597.4	624.5	653.8	682.3	630.6	619.1	591.5	599.5	616.2	611.	636.	628.7	626.7	197.4
10	643.5	678.2	682.3	696.1	703.2	710.3	723.	735.	748.7	746.6	736.4	718.5	710.1	198.4
11	696.5	669.8	645.9	615.2	578.4	556.	599.	674.7	706.4	675.5	639.3	608.2	638.7	208.
12	583.2	620.1	630.	628.3	616.2	583.4	541.1	562.7	612 1	631.6	634.7	594 7	603.2	192.8
14	513.3	567.3	558.7	602.4	623.1	626.	643.5	655.	684.4	700.1	686.1	684.5	628.7	196.7
15	676.	656.2	652.5	655.4	649.7	643.5	666.5	682.	674.6	668.5	656.1	607.6	657.4	207.5
16	589.6	603.4	631.5	636.9	635.4	655.	672.3	676.	667.7	656.	643.5	632.6	641.7	201.6
17	639.4	636.2	627.7	621.	597.9	619.5	642.3	650.1	663.7	676.1	711.2	728.3	651.1	197.5
18	729.9	722.	735.7	756.8	758.5	753.3	756.2	764.8	758.3	758.	749.2	734.8	748.1	210.8
19	722.3	711.8	767.	695.1	691.4	686.1	687.9	683.7	711.	724.9	735.5	734.3	712.6	203.7
21	611.8	601.1	626.6	653.5	651.9	643.8	640.6	637.5	633.2	625.3	609.1	603.9	628.2	200.3
22	606.2	614.5	631.1	640.1	637.	.....	645.8	638.7	623.6	628.	625.8	625.8	628.8	198.1
23	597.4	584.4	608.1	600.6	558.6	603.7	646.8	665.	662.	658.2	630.	621.1	619.7	195.8
24	634.2	643.	656.2	662.	655.2	642.	655.8	662.5	674.7	668.4	638.	611.4	650.3	203.5
25	615.	617 3	627.	633.4	629.7	601.9	596.1	629.5	632.1	642.3	643.1	641.2	625.7	200.5
26	651.3	665.3	664.9	664.6	638.6	658.5	658.5	650.4	661.	645.3	602.9	556.7	643.2	204.5
28	514.9	618.1	632.4	661.5	664.6	632.1	626.3	661.	672.5	656.2	623.7	583.2	620.5	184.5
29	585.5	585.3	589.9	599.8	613.3	654.7	700.3	700.6	744.5	726.3	692.7	642.2	652.9	193.9
30	609.7	636.8	676.9	698.7	707.7	701.	711.7	727.1	757.9	775.5	778.7	789.7	714.3	189.1
31	781.9	763.2	749.7	732.7	731.1	746.1	722.	658.8	596.3	625.9	632.9	648.3	699.1	202.3
Means	650.	655.7	664.8	667.4	663.2	666.2	670.2	677.1	683.9	688.2	679.5	664.5	668.9	
Reduced to 32° F.	204.5	196.7	203.1	204.4	204.2	201.8	192.3	183.	188.5	202.2	212.4	208.2		199.6

Göttingen time / Observatory time	h. m. 5 58 / 0 17½	h. m. 7 58 / 2 17½	h. m. 9 58 / 4 17½	h. m. 11 58 / 6 17½	h. m. 13 58 / 8 17½	h. m 15 58 / 10 17½	h. m. 17 58 / 12 17½	h. m. 19 58 / 14 17½	h. m. 21 58 / 16 17½	h. m. 23 58 / 18 17½	h. m. 1 58 / 20 17½	h. m. 3 58 / 22 17½	Means.
Mar. 1	69.7	67.5	67.3	66.2	69.5	68.9	68.9	70.3	72.5	70.	70.3	69.1	69.2
2	68.4	69.5	71.2	72.8	72.	71.2	71.	71.5	72.2	72.3	71.3	70.5	71.2
3	69.3	69.9	72.	74.2	74.2	73.6	73.7	74.6	75.1	76.2	76.2	76.1	73.8
4	75.	74.2	74.7	73.3	73.7	74.2	74.3	76.2	76.3	76.8	75.7	74.6	74.9
5	73.2	72.2	....	69.	68.2	68.4	69.6	69.9	69.9	69.2	67.	65.4	69.3
7	62.4	64.6	65.2	65.2	66.	66.	66.6	66.3	66.6	66.7	65.8	63.6	65.4
8	62.	60.5	60.5	62.5	64.2	65.	65.2	66.	66.	65.3	62.	61.4	63.4
9	62.5	65.5	66.	66.5	62.5	62.4	61.5	62.2	64.4	64.8	63.5	63.6	63.8
10	66.9	68.2	68.7	68.8	69.7	70.5	72.	72.7	72.	71.3	69.7	68.6	69.9
11	66.8	65.2	63.6	61.1	59.3	58.7	65.2	70.	68.1	65.	63.2	60.8	63.9
12	62.2	64.7	64.	63.7	62.	59.1	57.3	63.8	64.2	65.9	62.2	59.5	62.4
14	55.5	59.9	61.5	63.	62.8	63.8	65.	66.5	69.1	68.	66.6	67.7	64.
15	65.7	64.4	64.9	64.5	64.	64.7	68.	67.6	71.3	65.7	63.3	61.	65.4
16	60.1	63.5	64.8	63.3	63.7	65.8	66.6	68.5	66.8	65.2	63.5	62.9	64.6
17	64.3	64.3	63.2	61.	61.4	64.	65.5	66.3	66.6	68.3	71.2	71.4	65.6
18	69.1	70.1	71.2	73.2	72.	72.2	73.1	73.6	73.1	72.5	71.	70.3	71.8
19	70.	68.2	68.	67.8	66.8	67.9	69.	71.6	71.6	72.2	72.	71.3	69.7
21	62.2	62.7	66.	65.8	65.	63.7	64.5	64.5	63.6	62.	61.7	62.4	63.7
22	62.5	63.9	64.7	65.	64.4	....	65.5	63.9	63.7	64.	63.3	62.4	63.9
23	60.8	61.4	63.	60.	58.4	64.	66.8	66.9	67.1	65.7	63.	64.	63.4
24	65.	65.7	66.3	66.3	64.5	64.7	66.4	66.6	67.3	64.5	62.	62.1	65.1
25	62.8	63.1	62.8	64.2	62.2	60.4	63.1	64.9	64.3	65.1	64.	65.	63.5
26	66.1	67.1	66.5	64.2	64.5	66.6	65.	66.	66.	63.2	60.	58.8	64.5
28	55.4	65.2	65.3	67.8	65.	63.6	65.2	69.1	67.3	65.	61.6	60.9	64.3
29	60.6	61.4	61.3	62.	64.2	67.3	71.5	74.7	71.3	69.	66.	62.7	66.
30	63.1	66.4	68.8	69.8	68.8	69.	71.	73.2	75.	75.3	75.	75.6	70.9
31	73.6	72.4	70.9	70.2	72.8	71.5	68.3	65.5	63.	66.3	66.3	65.	68.8
Means	65.	66.	66.2	66.3	66.	66.4	67.4	68.6	68.7	68.	66.6	65.8	66.8

Degrees Fahrenheit.

Göttingen time.. Observatory time.	h. m. 6 02 0 21½	h. m. 8 02 2 21½	h. m. 10 02 4 21½	h. m. 12 02 6 21½	h. m. 14 02 8 21½	h. m. 16 02 10 21½	h. m. 18 02 12 21½	h. m. 20 02 14 21½	h. m. 22 02 16 21½	h. m. 0 02 18 21½	h. m. 2 02 20 21½	h. m. 4 02 22 21½	Means.	Reduced to 32° F.
Mar. 1.....	590.	584.5	578.9	564.5	560.	579.4	583.4	576.2	596.7	603.1	591.	596.9	583.7	489.7
2.....	573.5	586.6	580.	590.4	591.	589.9	603.7	610.2	602.9	602.	598.2	600.3	594.	494.9
3.....	605.6	584.4	583.1	582.8	584.9	599.	599.3	595.8	608.4	605.	606.7	607.	596.8	489.3
4.....	612.7	599.4	596.	596.8	600.5	595.	606.	598.8	599.7	627.	611.	615.2	604.8	494.6
5.....	624.4	620.3	....	613.5	609.5	609.5	603.1	591.7	624.5	608.6	618.6	650.1	615.8	517.8
7.....	556.8	559.4	559.1	565.9	562.9	580.4	586.1	579.1	567.1	561.2	556.7	565.4	566.7	483.
8.....	565.7	547.8	547.9	527.	538.4	548.9	543.5	537.	546.4	555.5	559.2	546.9	547.	471.7
9.....	543.5	536.1	545.7	552.6	554.6	568.5	567.6	554.8	546.4	565.3	568.	564.2	555.6	476.5
10.....	563.8	567.7	572.1	574.	585.1	594.4	596.5	581.1	583.8	589.4	589.6	589.5	582.2	485.5
11.....	586.7	582.8	573.3	565.3	565.7	571.	562.9	560.2	561.5	556.4	553.8	544.7	565.4	486.
12.....	550.1	518.3	524.2	522.3	527.5	543.5	531.7	518.3	520.3	527.5	533.3	539.7	529.7	459.8
14.....	544.3	534.9	533.1	535.2	540.8	552.3	567.8	543.5	534.3	541.9	546.6	558.	544.4	464.8
15.....	542.9	537.8	535.7	533.4	545.2	559.3	556.4	542.5	565.6	569.5	562.5	549.6	550.1	468.3
16.....	539.	528.7	524.1	520.1	517.9	544.7	548.	567.5	573.9	584.2	602.5	607.7	554.9	476.3
17.....	566.6	569.8	569.8	570.1	570.9	582.9	587.3	577.2	571.4	574.5	575.7	584.8	575.1	490.9
18.....	586.4	567.6	566.4	567.5	572.4	589.9	586.3	572.4	564.5	573.9	575.4	572.5	574.6	473.9
19.....	575.	575.6	572.7	561.	576.4	592.3	608.	611.2	608.	637.7	642.	626.6	598.9	501.7
21.....	606.2	575.1	570.8	564.4	567.	576.3	561.2	555.3	570.2	561.7	554.	554.7	568.1	488.7
22.....	563.6	559.5	556.8	558.7	566.9	584.7	590.	561.4	555.9	565.	565.	569.9	566.4	487.6
23.....	566.2	535.5	541.7	544.3	546.8	561.7	570.5	554.5	577.9	589.3	594.8	573.3	563.	486.6
24.....	559.4	566.6	576.5	558.3	576.4	583.4	589.2	563.8	570.2	583.7	575.1	562.5	572.1	489.8
25.....	558.6	569.4	570.	566.9	588.7	627.1	601.8	580.	575.8	579.9	576.	566.7	580.1	502.1
26.....	568.	569.1	573.9	577.5	575.3	594.6	595.5	556.5	557.2	569.	571.1	552.2	571.7	492.3
28.....	585.7	555.7	553.5	562.3	583.2	594.8	577.	553.1	551.5	559.3	560.7	552.5	565.8	486.2
29.....	548.8	540.1	538.7	542.2	546.9	582.9	577.2	580.5	567.	572.	575.9	577.8	562.5	479.3
30.....	578.8	566.5	561.4	571.5	592.2	594.4	524.1	605.6	599.1	600.	608.1	615.5	584.8	486.5
31.....	600.7	594.	580.9	575.6	577.1	595.8	603.2	578.	557.5	548.4	556.5	559.	577.2	486.8
Means.....	572.7	564.2	561.	561.6	567.6	581.4	578.8	570.6	572.5	578.2	578.8	577.9	572.1	
Reduced to 32° F.	490.1	480.2	476.8	476.	483.1	496.1	491.6	481.	481.2	486.9	491.3	492.6		485.5

Göttingen time / Observatory time	h. m. 6 02 / 0 21½	h. m. 8 02 / 2 21½	h. m. 10 02 / 4 21½	h. m. 12 02 / 6 21½	h. m. 14 02 / 8 21½	h. m. 16 02 / 10 21½	h. m. 18 02 / 12 21½	h. m. 20 02 / 14 21½	h. m. 22 02 / 16 21½	h. m. 0 02 / 18 21½	h. m. 2 02 / 20 21½	h. m. 4 02 / 22 21½	Means.
Mar. 1	67.	65.	64.8	68.6	66.2	66.1	66.1	67.	67.6	67.5	68.	68.1	66.8
2	66·1	64.2	68.4	70.	69.5	68.8	68.7	69.4	70.3	70.4	70.1	68.7	68.7
3	67.7	68.	69.3	70.7	72.2	71.4	71.4	72.4	74.	74.9	75.	74.3	71.8
4	73.1	72.2	71.7	71.3	71.8	72.4	72.5	73.3	74.4	75.2	....	73.4	72.8
5	71.8	71.	....	68.2	68.5	67.8	68.2	68.7	69.	68.3	66.	64.1	68.3
7	59.9	62.1	62.8	63.6	63.4	63.6	64.3	64.	64.	63.8	62.8	62.	63.
8	58.7	57.1	57.5	58.5	60.1	61.2	60.	61.4	62.	62.3	60.5	59.	59.9
9	59.8	62.1	62.5	63.	60.3	60.3	59.5	60.	61.8	62.7	61.9	61.6	61.3
10	64.1	65.6	65.	66.8	67.5	68.4	69.7	70.6	70.8	70.	68.2	67.	67.8
11	65.5	63.7	62.2	59.8	57.7	56.2	61.6	65.6	64.7	61.9	60.1	57.3	61.4
12	58.	59.8	59.5	59.	56.8	54.6	52.7	57.3	59.1	61.4	60.	56.4	57.9
14	53.	57.	58.	59.8	59.7	60.4	61.6	63.2	....	69.8	69.4	64.8	61.5
15	62.9	61.5	61.9	61.5	61.	61.7	64.	63.7	62.9	62.8	61.	58.2	62.3
16	57.2	59.5	60.6	59.7	60.4	61.9	62.8	63.4	63.5	62.9	61.3	60.3	61.1
17	61.1	61.5	60.	58.5	59.3	61.6	63.1	63.5	65.1	66.8	69.1	69.3	63.2
18	68.	67.7	68.5	70.5	69.3	69.3	69.8	70.5	70.5	70.3	69.2	68.3	69.3
19	67.1	66.	65.8	65.9	....	65.5	66.4	68.	70.8	71.	71.	70.4	68.
21	61.3	61.3	63.8	64.	62.5	61.	61.6	61.4	60.8	60.	59.	59.6	61.4
22	59.7	60.9	61.8	62.4	61.4	....	62.4	61.1	60.8	61.3	61.	60.	61.2
23	58.5	58.7	57.8	57.5	56.5	60.1	62.8	63.3	63.7	63.	60.3	61.3	60.3
24	62.3	62.9	63.4	63.5	61.8	61.7	63.5	63.9	64.8	62.6	60.	59.6	62.5
25	60.1	60.	60.3	61.7	59.8	58.	60.1	62.	61.7	62.7	61.6	62.3	60.9
26	63.2	64.2	63.	62.	61.6	63.4	61.5	61.6	63.1	60.3	57.2	56.1	61.4
28	54.2	62.	63.4	64.5	62.8	60.7	61.6	64.5	64.	62.5	59.6	58.3	61.5
29	57.7	57.8	57.8	58.7	60.5	63.4	67.2	69.2	68.7	67.	64.3	61.1	62.8
30	60.7	63.6	65.7	67.	66.3	66.3	68.3	70.5	72.8	73.5	73.2	73.6	68.4
31	71.5	69.7	68.	....	70.1	68.	64.5	61.8	60.3	62.9	62.7	61.3	65.5
Means	62.6	63.1	63.2	63.7	63.3	63.6	64.3	65.2	65.8	65.8	64.4	63.6	64.1

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
	h. m.	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*	Temperature Fahrenheit.	*h. m.*	*h. m.*	*h. m.*	Temperature Fahrenheit.
Gottingen time.....	13 54	14 00	14 06	13 52	13 58	14 04		13 56	14 02	14 08	
Observatory time.....	8 13½	8 19½	8 25½	8 11½	8 17½	8 23½		8 15½	8 21½	8 27½	
Mar. 1.....	573.7	570.6	568.7	683.7	685.2	687.	69.5	571.7	560.	562.2	66.2
2.....	562.7	562.4	562.8	651.7	751.8	751.5	72.	592.1	591.	588.4	69.5
3.....	571.8	572.7	572.5	765.2	767.	768.2	74.2	587.4	584.9	585.6	72.2
4.....	568.	568.2	568.	768.	768.3	768.4	73.7	595.5	600.5	596.8	71.8
5.....	572.	570.8	571.2	698.5	696.9	696.	68.2	609.4	609.5	605.8	68.5
7.....	575.4	570.1	568.7	652.9	653.	652.9	66.	566.	562.9	568.2	63.4
8.....	571.6	570.2	571.1	610.	611.	612.7	64.2	535.7	538.4	537.3	60.1
9.....	675.2	572.9	573.5	633.9	630.6	628.7	62.5	558.7	554.6	554.2	60.3
10.....	571.2	571.1	570.5	701.9	703.2	703.2	69.7	582.	585.1	585.7	67.5
11.....	571.7	571.7	570.9	579.5	578.4	576.8	59.3	566.1	565.7	566.3	57.7
12.....	571.5	571.6	570.	617.9	616.2	615.	62.	528.2	527.5	526.9	56.8
14.....	573.	576.	573.3	623.1	623.1	623.	62.8	538.1	540.8	536.1	59.7
15.....	575.4	575.1	575.5	648.6	649.7	648.	64.	543.4	545.2	545.5	61.
16.....	575.5	575.	577.5	635.2	635.4	635.6	63.7	516.4	517.9	517.9	60.4
17.....	569.3	570.4	571.7	598.7	597.9	598.	61.4	571.2	570.9	570.	59.3
18.....	574.3	570.8	573.1	759.5	758.5	758.4	72.	571.6	572.4	572.4	69.3
19.....	561.5	562.5	564.2	692.5	691.4	690.9	66.8	577.5	576.4	572.5	....
21.....	574.7	572.	570.	652.8	651.9	651.7	65.	576.4	567.	564.6	62.5
22.....	568.	568 6	568.2	637.8	637.	637.	64.4	567.3	566.9	567.7	61.4
23.....	576.	577.	577.	558.6	558.6	558.6	58.4	543.9	546.8	544.5	56.5
24.....	573.5	572.9	573.5	657.7	655.2	655.5	64.5	572.9	576.4	573.8	61.8
25.....	573.4	573.6	573.6	630.9	629.7	628.3	62.2	584.7	588.7	588.8	59.8
26.....	570.1	570.8	570.6	638.5	638.6	638.5	64.5	573.8	575.3	574.4	61.6
28.....	571.3	570.4	566.7	663.9	664.6	660.7	65.	571.2	583.2	583.4	62.8
29.....	569.2	569.5	569.3	611.4	613.3	613.5	64.2	546.3	546.9	545.7	60.6
30.....	560.1	563.3	563.5	707.6	707.7	707.2	68.8	593.5	592.2	593.9	66.3
31.....	569.	570.4	571.8	729.6	731.1	732.6	72.8	573.6	577.1	579.	70.1

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
April 1	558.3	559.6	560.9	568.9	573.8	554.7	553.2	547.7	546.9	559.	563.1	564.8	559.2
2	562.1	555.6	561.7	562.7	567.6	564.1	557.1	552.8	553.2	552.1	559.5	565.5	559.5
4	568.5	564.4	563.5	568.4	568.8	568.2	550.8	554.3	554.	556.	557.2	559.4	561.1
5	562.1	566.6	561.9	566.5	571.6	564.7	552.4	551.	553.	560.5	563.5	567.	561.7
6	567.9	568.2	568.	568.4	566.8	564.	553.7	553.	557.4	568.2	561.2	568.7	563.8
7	560.5	564.6	564.6	564.1	568.1	561.	548.7	548.3	557.4	562.6	559.8	559.5	559.9
8	565.	566.	569.2	.....	574.	566 8	557.5	552.8	553.9	557.5	558.	561.8	562.
9	563.2	564.	565.9	567.7	572.3	564.8	553.4	547.6	555.7	561.5	564.9	564.3	562.1
11	573.	575.5	586.7	568 7	572.7	566.1	555.1	554.6	558.2	563.1	558.5	573.9	567.2
12	574.3	571.3	566.1	559.3	553.	567.9	556.8	548.	550.5	567.	568.	564.7	562.2
13	559.2	551.6	586.4	568.	553.	570.5	562.8	555.8	550.	559.2	558.9	562.7	561.5
14	561.7	565.3	564.3	556.9	572.	565.8	553 5	548.	548.5	562.7	557.8	585.9	561.9
15	524.5	576.8	603.1	578.2	584.	556.2	550.8	557.8	565 6	557.2	575.	534.5	563.6
16	575.6	597.1	585.4	575.2	574.	567.3	555.	551.	550.7	556 2	558.7	560.1	567.2
18	564.	565.5	567.7	563.8	568.2	565.7	558.3	557.	556.5	557.2	561.2	562.2	562.3
19	562.1	570.2	567.3	568.1	563.6	559.5	553.6	554.1	556.6	562.1	566.2	562.8	562.2
20	562.8	564.4	568.4	568.7	561.8	561.7	552.	557.3	559.8	562.	566.7	556.5	561.9
21	566.5	539.8	572.5	558.8	569.2	552.7	557.	553.9	558.5	561.1	560.7	564.1	559.6
22	561.1	563.7	.....	565.4	569.2	559.3	554.	556 1	558.2	559.1	559.9	561.9	560.7
23	564.1	564.5	564 2	567.9	568.	562.5	552.9	552.2	557.	562.	559.9	563.8	561.6
25	564.8	561.6	568.5	570.9	570.9	563.3	552.5	551.9	559.	560.5	559.	561.1	562.2
26	560.9	563.7	568.	574.8	570.6	559.7	553.7	552.7	557.	562.6	563.	562.3	562.4
27	563.8	566.7	.....	568.1	566.6	563.1	553.	546.9	555.9	558	561.1	562.	560.5
28	562.9	564.	565.8	569.6	571.9	556.4	554.	554.2	557.4	561.5	560.8	562.7	561.8
29	566.5	566.7	567.	573.1	571.6	566.1	555.	551.5	547.4	558.	562.3	562.7	562.3
30	564.6	564.4	567.2	570.3	570.9	562.9	554.7	554.	556.7	560.2	561.6	568.	562.9
Means	563.1	565.6	570.2	567.7	569.	562.9	554.3	552.5	555.2	560.3	561.8	563.2	562.1

Göttingen time.. Observatory time.	h. m. 5 58 0 17½	h. m. 7 58 2 17½	h. m. 9 58 4 17½	h. m. 11 58 6 17½	h. m. 13 58 8 17½	h. m. 15 58 10 17½	h. m. 17 58 12 17½	h. m. 19 58 14 17½	h. m. 21 58 16 17½	h. m. 23 58 18 17½	h. m. 1 58 20 17½	h. m. 3 58 22 17½	Means.	Reduced to 32° F.
April 1	628.6	564.8	634.3	634.	637.1	618.2	643.7	661.7	675.7	680.3	668.8	665.1	642.7	185.
2	665.1	620.4	606.7	599.1	585.	558.3	564.8	634.6	697.2	742.5	763.	755.5	649.3	184.9
4	644.	628.1	616.2	642.2	709.4	713.5	657.	.....	561.1	599.7	616.5	621.7	637.2	191.7
5	646.9	669.9	670.1	677.	678.5	687.1	669.8	665.8	694.7	699.1	688.	649.5	674.7	191.4
6	624.8	640.7	664.3	684.2	684.6	704 7	717.8	723.6	721.2	721.5	711.7	678.1	689.8	190.3
7	650.5	647.1	687.2	721.5	724.5	743.5	743.9	736.	739.9	760.5	774.	783.5	726.	187.3
8	772.4	778.	778.1	.....	752.	737.1	733.2	722.6	714.4	704.1	681.1	673.7	731.5	210.4
9	662.1	683.1	656.8	637.	601.7	614.4	616.2	625.6	641.3	659.4	637.1	594.7	635.8	195.7
11	547.	580.9	685.7	685.2	698.2	706.6	716.6	728.	753.	733.6	734.6	722.3	691.	184.8
12	705.7	667.5	687.5	702.5	732.2	747.2	773.1	.....	783.5	768.7	755.5	722.5	731.4	188.7
13	701.2	675.5	677.9	635.8	588.1	544.8	518.6	490.5	483.5	522.	599.4	656.4	591.1	201.
14	686.5	684.3	672.5	666.	668.5	676.	682.5	692.5	697.5	703.5	696.7	679.	683.8	192 4
15	763.4	771.6	756.7	724.8	698.5	704.6	711.1	703.7	702.3	708.5	715.8	722.8	723.6	214.7
16	719.1	673.6	656.7	634.1	651.8	665.	681.	685.	691.6	707.	700.	663.4	677.4	204.9
18	462.4	557.2	601.	626.7	660.1	675.4	674.5	661.	634.4	657.9	648.5	639.6	624.9	195.6
19	635.4	639.5	653.6	658.	639.3	620.6	612.9	622.	635.2	640.1	660.5	679.2	641.3	198.5
20	699.5	701.4	713.4	711.5	705.3	717.1	737.2	744.8	750.9	751.8	750.2	750.4	727.8	195.6
21	707.	674 2	637.	606.3	651.2	701.2	710.	717.	716.5	723.5	619.	691.2	679.5	190.8
22	634.5	626.2	.....	586.6	567.4	567.	583.4	614.6	643.7	677.1	694.1	693.7	626.2	182.
23	696.3	682.4	673.7	663.	662.	667.	677.	.....	725.	735.2	734.2	708.5	693.1	193.6
25	617.1	611.7	671.9	741.	772.6	776.1	764.5	757.7	758.1	772.1	784.	784.2	734.2	179.4
26	778.5	766.5	755.2	738.9	730.2	734.1	774.	766.7	790.1	798.5	786.5	765.	765.3	197.
27	746.8	726.1	.....	672.9	638.7	623 8	617.8	615.	613.3	607.5	595.5	572.	639.	201.6
28	551.4	534.5	516.5	495.	483.8	488.8	512.1	584.	603.7	619.4	617.6	643.8	554.2	187.
29	683.1	693.9	705.	716.9	719.6	750.3	729.3	716.	697.6	688.2	677.	654.2	702.6	199.1
30	629.5	592.6	570.2	540.	528.8	540.	558.4	555.	610.9	618.	616.	603.1	580 2	186.
Means	663.9	657.4	664.5	656.	660.3	664.7	668.5	670.6	682.2	692.3	689.4	683.6	671.2	
Reduced to 32° F.	209.	195.7	198.8	195.7	191.9	192.2	185.2	171.1	177.3	187.4	202.1	207.1		193.

Göttingen time / Observatory time	h. m. 5 58 / 0 17½	h. m. 7 58 / 2 17½	h. m. 9 58 / 4 17½	h. m. 11 58 / 6 17½	h. m. 13 58 / 8 17½	h. m. 15 58 / 10 17½	h. m. 17 58 / 12 17½	h. m. 19 58 / 14 17½	h. m. 21 58 / 16 17½	h. m. 23 58 / 18 17½	h. m. 1 58 / 20 17½	h. m. 3 58 / 22 17½	Means.
April 1	62.4	64.4	64.8	65.5	64.	64.	67.	68.	69.4	68.7	66.7	66.2	65.9
2	66.3	62.8	62.	62.2	60.	59.	62.8	68.2	73.	75.2	74.	71.7	66.4
4	64.8	63.6	62.7	69.1	71.5	67.	63.	....	61.1	63.3	63.8	65.	65.
5	67.2	67.3	68.	68.5	68.3	68.2	65.9	69.4	70.6	69.5	66.7	64.	67.8
6	63.2	67.1	68.8	68.2	69.9	70.8	71.8	72.	71.8	70.7	68.2	65.9	69.
7	64.2	69.	71.8	71.5	72.4	72.9	72.	72.	73.	74.6	75.5	74.5	71.9
8	73.5	75.4	73.5	....	71.3	70.6	71.	70.3	69.6	68.	66.8	66.7	70.6
9	66.8	69.2	66.5	62.5	62.8	63.	63.8	64.4	67.	66.	62.8	60.3	64.6
11	58.4	64.6	68.8	68.7	70.	71.	72.3	72.8	73.5	73.	71.7	69.7	69.5
12	67.3	66.1	70.8	71.5	72.	74.2	75.1	78.5	76.2	74.8	72.	68.3	72.2
13	67.	64.7	62.8	60.8	59.	57.1	55.7	54.8	55.5	60.	64.3	69.1	60.9
14	69.	68.2	66.8	67.3	67.8	68.2	69.	70.1	70.	70.	67.8	66.9	68.4
15	68.5	70.2	70.	69.	69.	70.5	71.	71.6	71.6	70.7	68.2	66.7	69.7
16	65.	62.5	63.4	65.	67.	67.6	68.9	69.8	71.2	70.6	67.1	65.4	67.
18	52.7	60.4	62.7	64.9	67.	67.2	66.4	65.4	66.	65.2	64.3	63.8	63.8
19	63.6	65.	65.7	64.7	62.8	61.9	63.6	64.3	65.	65.2	67.2	69.	64.8
20	69.5	70.2	70.3	69.1	69.5	72.1	74.1	74.4	73.7	73.6	71.7	69.6	71.5
21	67.2	65.1	62.5	62.4	69.4	71.	71.5	71.5	72.	71.3	67.9	66.3	68.2
22	64.2	63.	....	60.4	59.4	60.7	63.6	65.5	68.2	70.4	69.9	69.2	64.9
23	68.4	67.8	66.8	66.8	67.	68.2	69.8	....	73.	73.	70.3	68.	69.
25	63.1	64.3	71.9	75.4	75.9	74.8	74.2	74.2	75.4	76.3	76.	75.7	73.1
26	74.6	73.5	72.2	71.5	71.9	73.1	74.7	76.4	77.7	76.	74.2	73.	74.1
27	71.4	70.	....	65.5	64.	63.5	63.8	64.	63.5	62.7	60.8	59.5	64.4
28	58.3	56.5	55.3	53.9	53.5	54.6	58.2	64.1	63.	63.3	62.5	67.7	59.2
29	69.5	69.6	70.4	71.	71.	72.2	71.	69.9	69.	67.5	66.	64.6	69.3
30	63.	61.1	57.9	57.3	57.4	58.	61.4	64.5	64.	64.2	63.3	62.	61.2
Means	65.7	66.2	66.5	66.1	66.7	67.	67.8	69.	69.4	69.4	68.1	67.3	67.4

Degrees Fahrenheit.

Göttingen time.. Observatory time.	h. m. 6 02 0 21½	h. m. 8 02 2 21½	h. m. 10 02 4 21½	h. m. 12 02 6 21½	h. m. 14 02 8 21½	h. m. 16 02 10 21½	h. m. 18 02 12 21½	h. m. 20 02 14 21½	h. m. 22 02 16 21½	h. m. 0 02 18 21½	h. m. 2 02 20 21½	h. m. 4 02 22 21½	Means.	Reduced to 32°F.
April 1.....	543.5	544.5	539.	542.1	571.8	555.	575.4	572.4	567.	579.4	567.7	575.	560.3	478.5
2.....	566.1	558.8	565.1	562.1	579.2	599.4	594.4	581.6	587.5	605.4	601.	607.1	584.	496.8
4.....	579.	597.2	592.6	578.8	594.6	620.3	633.3	594.9	565 8	572.2	582.1	572.7	590.3	509.3
5.....	559.5	562.5	573.6	575.	574.4	597.	592.6	568.5	592.	586.2	601.	603.5	582.1	492.5
6.....	587.4	581.4	583.4	589.1	587.3	601.9	605.2	596.1	600.5	612.3	613.2	603.1	596.7	501.4
7.....	585.3	570.5	584.8	583.1	592.4	623.9	625.9	609.3	604.	617.	614.	616.	602.2	500.
8.....	596.3	601.7	604.1	.....	603.8	610.8	611.6	607.2	612.5	612.3	616.6	602.1	607.2	510.3
9.....	576.9	580.4	582.5	582.9	573.9	610.5	607.3*	583.5	565.4	589.7	592.2	592.5	586.5	506.6
11.....	648.	610.2	601.8	614.6	632.1	641.5	644.	612.9	602.9	663.	633.4	644.2	629.	531.5
12.....	653.4	611.6	606.8	617.8	602.	641.6	635.5	613.8	628.8	711.9	703.7	638.5	639.	535.3
13.....	615.5	661.	669.4	629.9	664.8	611.3	607.2	590.5	572.3	607.	595.9	591.6	618.	544.6
14.....	599.5	599.6	599.3	598.7	602.	614.7	623.4	606.8	594.6	611.7	596.5	651.2	608.2	515.9
15.....	748.6	641.8	653.7	611.3	637.6	687.2	641.7	612.5	619.6	636.7	652.9	642.	648.8	531.1
16.....	708.5	715.6	675.	628.	630.	642.7	640.2	611.6	599.5	615.7	624.4	614.7	642.2	552.6
18.....	564.8	553.5	570.5	576.4	592.4	619.5	613.7	610.4	579.2	582.2	584.5	590.8	586.5	507.9
19.....	553.8	586.4	.....	591.8	611.4	617.5	606.6	603.8	618.4	597.2	607.5	610.6	600.5	519.
20.....	603.2	602.9	605.1	604.3	606.5	622.2	621.7	617.8	621.5	645.5	641.2	657.7	620.8	520.1
21.....	640.5	625.7	607.7	628.4	605.	670.8	641.3	634.3	624.9	632.7	635.6	625.7	631.1	536.9
22.....	615.2	612.4	605.7	595.	603.9	609.9	596.	604.7	614.3	618 8	619.	618.5	609.4	523.
23.....	621.	630.6	626.2	613.	628.	639.5	654.2	623.	637.8	634.1	631.3	632.3	630.9	531.8
25.....	606.1	591.3	594.5	599.4	636.3	660.5	648.6	628.7	623.	632.	631.1	636.6	624.	516.3
26.....	635.4	635.1	621.	613.4	634.3	640.2	643.	626.6	629.4	638.7	631.3	626.	631.2	519.4
27.....	614.3	604.7	.....	594.2	603.1	601.9	599.3	592.3	576.1	593.7	592.3	583.	595.9	511.7
28.....	576.1	574.2	576.1	572.3	575.7	581.7	560.9	545.2	551.	569.7	563.5	564.8	567.6	498.2
29.....	578.6	572.4	568.2	571.6	585.1	605.5	605.8	593.2	601.5	603.	597.	597.9	590.	495.5
30.....	593.6	592.3	584.9	581.	585.5	599.4	586.8	580.4	578.8	579.	597.1	600.6	588.3	511.1
Means.....	606.5	600.7	599.6	594.2	604.3	620.4	616.	600.8	598.9	613.	612.5	611.5	606.7	
* Reduced to 32° F.	520.1	514.	512.7	507.8	515.5	531.5	525.8	508.2	502.8	515.3	518.3	520.5		516.

Göttingen time / Observatory time	h. m. 6 02 / 0 21½	h. m. 8 02 / 2 21½	h. m. 10 02 / 4 21½	h. m. 12 02 / 6 21½	h. m. 14 02 / 8 21½	h. m. 16 02 / 10 21½	h. m. 18 02 / 12 21½	h. m. 20 02 / 14 21½	h. m. 22 02 / 16 21½	h. m. 0 02 / 18 21½	h. m. 2 02 / 20 21½	h. m. 4 02 / 22 21½	Means.
April 1	59.7	60.3	61.	61.7	62.	60.	62.5	63.3	65.	65.2	63.8	63.3	62.3
2	62.	60.5	60.	60.3	58.3	57.3	59.8	65.5	71.6	73.	72.8	70.7	64.3
4	64.2	62.8	61.9	....	68.3	64.5	60.9	57.3	58.4	60.7	61.	61.8	62.
5	63.9	64.1	64.7	65.8	65.5	65.5	63.2	66.	67.8	67.9	65.2	62.6	65.2
6	61.6	64.5	66.2	66.4	68.	68.5	69.3	69.8	70.1	70.	67.5	65.2	67.3
7	63.2	66.8	69.	69.7	69.8	70.4	69.8	70.1	71.4	72.8	73.7	72.2	69.9
8	70.8	72.4	71.	....	68.5	67.8	68.1	67.5	67.1	65.9	64.3	64.	67.9
9	63.8	65.8	61.5	59.8	58.8	59.9	60.4	60.8	63.3	63.4	60.7	58.5	61.4
11	57.8	62.4	66.8	67.2	68.9	69.3	70.4	70.8	71.7	72.4	71.	68.8	68.1
12	66.3	64.6	68.5	67.8	69.7	71.7	72.4	74.2	76.4	74.5	71.	68.3	70.4
13	66.	63.7	61.7	59.5	57.1	55.5	54.2	53.2	53.7	57.8	61.7	65.9	59.2
14	66.3	65.8	64.5	65.4	65.7	65.2	65.9	67.2	68.	68.8	66.3	65.2	66.2
15	66.5	68.	67.7	67.7	68.	68.6	69.	69.8	70.	69.5	67.5	65.6	68.2
16	63.7	61.	62.4	63.8	64.7	64.7	66.9	67.3	69.1	69.3	66.	64.1	65.2
18	51.2	57.2	59.8	61.8	63.7	63.5	63.3	62.7	63.	63.	62.5	61.2	61.1
19	61.	61.9	....	62.4	60.1	59.6	60.7	61.6	62.8	63.	65.	66.4	62.2
20	66.8	67.4	68.	66.7	67.7	69.4	71.	71.	71.5	72.7	71.	68.5	69.3
21	66.1	63.9	61.5	60.	67.5	69.1	69.5	70.	70.6	70.7	68.7	65.5	66.9
22	63.4	62.	60.4	58.5	59.7	60.2	62.4	64.8	67.9	70.1	69.9	69.2	64.
23	68.1	67.2	66.3	65.8	67.1	67.5	69.	70.5	72.2	72.8	70.2	67.8	68.7
25	62.6	63.2	69.4	73.	73.6	72.7	72.6	73.1	74.8	76.6	76.	75.3	71.9
26	74.	72.7	71.3	70.7	72.	72.7	73.9	75.5	77.	75.8	73.7	71.9	73.4
27	70.4	68.8	....	64.5	63.5	62.3	62.	62.	62.	62.	60.	58.	63.2
28	56.4	54.7	53.5	52.8	53.7	53.5	55.8	61.4	62.	62.	61.4	64.7	57.7
29	66.3	66.5	67.	68.1	68.8	69.6	68.4	67.8	67.3	66.3	64.8	63.2	67.
30	61.5	59.7	57.5	56.3	57.3	58.	59.8	61.8	63.6	68.	63.	61.6	60.6
Means	64.	64.1	64.2	64.	64.9	64.9	65.4	66.3	67.6	68.2	66.9	65.7	65.5

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 54	h. m. 14 00	h. m. 14 06	h. m. 13 52	h. m. 13 58	h. m. 14 04	Temperature Fahrenheit.	h. m. 13 56	h. m. 14 02	h. m. 14 08	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 11½	8 17½	8 23½		8 15½	8 21½	8 27½	
April 1.....	577.7	573.8	571.5	637.	637.1	634.1	64.	579.	571.8	575.9	62.
2.....	567.	567.6	568.	586.1	585.	583.1	60.	578.1	579.2	579.2	58.3
4.....	568.6	568.8	568.7	707.6	709.4	710.5	71.5	593.9	594.6	597.2	68.3
5.....	572.9	571.6	571.2	680.8	678.5	679.	68.3	578.5	574.4	575.2	65.5
6.....	566.8	566.8	566.8	684.7	684.6	686.	69.9	589.5	587.3	589.4	68.
7.....	568.	568.1	568.4	723.5	724.5	725.4	72.4	588.8	592.4	591.7	69.8
8.....	574.2	574.	575.8	748.4	752.	746.4	71.3	602.9	603.8	603.2	68.5
9.....	572.9	572.3	572.	602.5	601.7	602.	62.8	578.9	573.9	574.7	58.8
11.....	574.5	572.7	571.3	697.7	698.2	698.5	70.	636.	632.1	631.8	68.9
12.....	547.2	553.	554.6	732.6	732.2	732.5	72.	606.4	602.	599.3	69.7
13.....	555.4	553.	556.1	591.5	588.1	584.7	59.	666.5	664.8	659.1	57.1
14.....	572.7	572.	572.	668.	668.5	669.5	67.8	603.2	602.	599.8	65.7
15.....	583.1	584.2	578.8	700.9	698.5	698.	69.	642.2	637.6	641.	68.
16.....	575.7	574.	574.5	649.9	651.8	652.	67.	629.2	630.	630.2	64.7
18.....	569.	568.2	568.6	658.5	660.1	661.5	67.	586.4	592.4	587.6	63.7
19.....	563.5	563.6	564.3	642.1	639.3	638.4	62.8	608.5	611.4	615.1	60.1
20.....	562.1	561.8	563.1	706.	705.3	705.3	69.5	604.7	606.5	609.3	67 7
21.....	569.7	569.2	569.4	644.7	651.2	655.	69.4	604.3	605.	607.9	67.5
22.....	569.	569.2	569.	568.	567.4	566.3	59.4	603.5	603.9	604.3	59 7
23.....	568.2	568.	568.5	662.7	662.	662.2	67.	625.1	628.	627.8	67.1
25.....	571.7	570.9	571.5	771.6	772.6	773.7	75.9	634.4	636.3	641.	73.6
26.....	570.5	570.6	569.2	730.	730.2	730.5	71.9	632.8	634.3	633.5	72.
27.....	567.7	566.6	567.1	640.2	638.7	637.6	64.	603.3	603.1	602.9	63.5
28.....	571.	571.9	572.3	484.2	483.8	483.9	53.5	575.9	575.7	576.8	53.7
29.....	571.7	571.6	573.2	719.5	719.6	719.9	71.	583.2	585.1	589 3	68.8
30.....	571.5	570.9	570.1	528.9	528.8	528.7	57.4	582.9	585.5	584.1	57.3

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
May 2	.....	.....	.....	.....	.....	562.1	552.	552.	560.	562.8	561.	561.2	558.7
3	563.9	566.9	569.7	570.6	566.6	551.7	554.8	556.6	560.	562.9	561.2	562.1	562.2
4	563.6	565.2	567.9	571.7	567.7	557.6	.....	556.	561.8	562.	560.	561.5	563.2
5	564.7	566.	563 1	576.6	574.2	560.	553.	557.	561.8	561.	563.	562.6	563.6
6	563.9	566.4	568.6	575.5	572.7	562.9	541.4	548.5	551.8	555.5	560.7	563.	560.9
7	566.5	568.	570.	558.	562.8	555.6	549.	551.3	565.6	561.	564.5	560.5	561.1
9	.....	.....	.....	.....	570.1	560.4	554.	554.5	559.4	569.5	561.1	564.4	561.7
10	.....	561.1	567.8	574.2	573.3	562.1	553.9	551.3	555.	561.	563.	573.7	563.3
11	553.7	564.7	565.8	569.7	569.	556.4	549.6	549.4	556.1	562.5	562.1	565.9	560.4
12	564.1	562.8	565.1	571.9	574.1	561.8	549.7	552.	556.	560.2	561.8	562.2	561.8
13	562.2	565.4	565.	.....	572.6	559.7	549.4	550.1	555.3	563.	562.4	602.2	564.3
14	561.	562.6	564.6	568.1	566.5	557.	555.6	552.7	557.8	560.4	558.7	561.6	560.5
16	562.9	566.8	569.	569 3	557.	559.	552.7	554.	558.2	558.6	562.	579.8	562.4
17	563.7	562.1	555.4	561.9	569.1	561.3	556.3	557.9	561.8	562.5	569.1	565.9	562.2
18	562.9	566.1	566.9	568.2	565.1	557.4	554.9	552.5	555.	558.7	559.9	562.6	560.9
19	560.7	562.3	565.4	565.1	564.5	559.9	554.1	554.7	557.4	559.	559.	559.7	560.1
20	562.6	562.3	567.6	566.7	562.4	552.5	552.3	555.6	558.2	558.7	559.3	562.6	560.1
21	561.2	562.5	563.8	569.1	566.4	554.5	552.8	553.7	558.2	559.8	558.9	559.4	560.
23	561.1	563.8	567.3	571.4	567.7	562.1	.....	546.7	555.4	559.9	560.6	561.9	561.6
24	561.	566.1	566.6	578.2	582.2	563.6	548.3	547.4	555.3	558.6	560.2	561.5	562.4
25	568.2	565.6	566.2	572.5	570.3	561.9	551.4	547.5	555.	560.7	568.7	564.4	562.7
26	562.4	562.3	563.2	571.7	569.4	561.	554.1	548.6	552.3	564.	558.2	558.5	560.5
27	564.1	560.4	561.6	570.7	569.7	559.	547.5	550.6	558.3	560.	561.8	561.2	560.4
28	559.7	554.6	558.3	570.	576.4	560.3	552.5	547.3	553.8	560.	561.9	572.1	560.6
30	567.6	566.9	568.9	572.2	573.9	566.3	556.5	558.	560.	564.	563.7	564.5	565.2
31	564.6	564.5	566.7	572.6	574.1	565.	556.2	554.5	561.1	563.8	563.7	563.5	564.2
Means	562.9	563.9	565 6	570.3	569.5	559.7	552.2	552.3	557.7	561.1	561.8	565.3	561.8

Göttingen time.. Observatory time.	h. m. 5 58 0 17½	h. m. 7 58 2 17½	h. m. 9 58 4 17½	h. m. 11 58 6 17½	h. m. 13 58 8 17½	h. m. 15 58 10 17½	h. m. 17 58 12 17½	h. m. 19 58 14 17½	h. m. 21 58 16 17½	h. m. 23 58 18 17½	h. m. 1 58 20 17½	h. m. 3 58 22 17½	Means.	Reduced to 32° F.
May 2.....	.....	.....	.....	.....	.....	546.	543.9	536.	531.2	530.	528.	525.8	534.4	190.2
3.....	528.2	753.4	613.7	668.4	701.5	709.7	698.3	687.4	683.4	681.8	663.8	627.5	668.1	201.
4.....	595.5	596.7	629.1	667.2	696.	734.2	.....	775.	771.2	770.8	776.5	798.4	710.1	176.9
5.....	814.3	796.6	790.5	759.	762.1	763.2	744.4	727.4	714.4	726.	731.	716.1	753.7	200.2
6.....	687.6	646.3	615.7	583.8	583.2	585.6	598.2	543.1	657.6	675.	684.4	677.6	628.2	176.
7.....	668.4	656.8	645.3	616.6	615.7	604.	698.3	600.5	604.2	620.3	622.	610.	630.2	192.8
9.....	.....	.....	.....	.....	500.3	498.1	545.3	630.6	678.	702.2	732.1	730.5	627.1	143.8
10.....	.....	697.	677.6	664.2	657.9	648.	659.5	666.1	659.4	664.1	668.	668.5	666.4	187.2
11.....	.....	650.2	638.	624.9	623.8	634.	651.4	678.2	706.5	738.1	753.5	753.3	677.4	173.9
12.....	746.8	728.5	706.7	676.6	653.1	642.8	643.	639.6	647.	656.5	655.	644.	670.	192.1
13.....	634.5	617.1	595.6	.....	663.5	691.7	721.	739.	746.	747.2	741.8	726.	693.	184.1
14.....	693.	651.6	655.	685.	706.2	714.	707.5	691.3	685.9	692.6	692.1	674.	687.3	189.1
16.....	510.7	518.1	587.	643.5	688.9	680.3	678.1	690.	700.	712.	717.7	709.7	653.	173.8
17.....	708.1	687.7	686.7	678.4	730.9	766.	790.6	807.	808.7	807.	798.	777.3	753.9	185.6
18.....	757.4	725.8	692.5	672.8	653.2	656.5	670.4	687.8	696.2	708.6	714.	714.3	695.8	185.5
19.....	705.8	691.8	677.8	671.7	662 3	667.5	680.5	702.1	743.	757.5	761.1	756.6	706.5	180.
20.....	747.1	717.9	679.1	623.1	585.4	555 5	523.4	497.5	484.	473.5	471.5	537.	574.6	191.2
21.....	614.5	646.	658.8	668.1	692.9	721.	754.	739.	729.5	722.9	713.	688.3	695.7	184.
23.....	570.	597.1	661.4	716.	777.2	801.4	817.6	778.2	762.9	761.1	753.9	728.7	727.1	179.
24.....	702.2	682.4	662.	646.4	732.5	797.8	819.1	811.3	795.	771.6	743.1	714.7	739.8	190.4
25.....	697.2	682.2	728.2	747.1	757.1	760.	761.	765.7	776.7	786.4	760.3	739.	746.7	181.
26.....	795.6	852.2	855.2	817.	810.5	813.8	818.5	817.1	808.6	808.2	803.8	787.3	815.6	197.3
27.....	774.3	745.8	725.5	697.9	685.	683.	677.9	673.4	685.	698.7	713.6	720.6	706.7	189.7
28.....	717.	715.	703.6	697.2	717.	741.8	754.	763.5	.....	798.8	802.3	791.	745.6	188.1
30.....	.....	.....	.....	.....	.....	755.8	797.	803.5	811.2	812 5	798.	779.3	793.9	179.7
31.....	762.	747.	711.5	683.5	664.	660.	661.8	663.5	675.6	698.5	708.5	697.8	694.5	186.9
Means.....	687.1	687.1	678.1	677.7	680.	685.8	696.6	696.7	702.4	712.4	711.8	703.6	693.9	
Reduced to 32° F.	197.1	201.1	193.4	182.3	179.2	172.8	182.3	171.6	173.2	183.2	194.8	196.		185.2

Göttingen time / Observatory time	h. m. 5 58 / 0 17½	h. m. 7 58 / 2 17½	h. m. 9 58 / 4 17½	h. m. 11 58 / 6 17½	h. m. 13 58 / 8 17½	h. m. 15 58 / 10 17½	h. m. 17 58 / 12 17½	h. m. 19 58 / 14 17½	h. m. 21 58 / 16 17½	h. m. 23 58 / 18 17½	h. m. 1 58 / 20 17½	h. m. 3 58 / 22 17½	Means.
May 2	....	....	....	....	....	58.	58.1	57.8	57.3	57.3	56.9	57.3	57.5
3	58.5	63.1	66.4	70.3	71.	70.	68.6	68.2	68.4	67.	64.6	62.6	66.6
4	61.6	63.2	66.8	69.1	72.	74.2	....	75.5	75.1	74.8	75.8	78.6	71.5
5	77.	75.	73.5	73.6	74.7	74.	71.8	71.7	72.	72.6	71.	69.	73.
6	66.6	64.1	62.	61.8	60.7	62.5	64.6	68.6	69.	69.8	68.8	68.	65.5
7	67.	66.5	64.7	65.2	62.7	62.7	63.	64.4	65.3	65.3	64.	62.5	64.4
9	....	....	....	....	55.1	....	63.1	68.3	71.	72.8	73.2	71.	67.8
10	....	67.4	67.2	66.7	67.	67.	68.4	68.1	67.9	68.3	67.5	67.	67.5
11	....	65.5	64.6	64.6	64.5	66.1	69.1	71.2	73.6	75.	74.7	74.	69.3
12	72.6	70.8	68.7	66.8	66.	65.5	65.6	66.	67.8	67.3	66.	65.7	67.4
13	64.4	63.	62.3	....	68.8	71.5	73.5	73.7	74.	73.7	72.2	70.	69.7
14	67.	65.8	67.8	71.	71.2	70.1	69.1	69.	69.9	70.1	68.4	67.	68.9
16	55.7	58.8	64.8	66.8	68.3	68.4	70.3	71.2	72.	72.3	71.5	70.4	67.5
17	69.	67.4	66.	70.5	74.5	77.	78.7	79.	78.8	78.	76.	74.	74.1
18	72.1	70.	68.	66.3	66.5	67.9	70.	70.9	71.6	72.4	71.3	71.	69.8
19	69.8	68.8	67.6	67.	67.3	68.6	71.1	73.	75.1	75.3	74.6	74.	71.
20	72.1	69.7	66.5	63.3	60.8	58.4	56.5	55.	54.1	53.2	54.	61.2	60.4
21	65.9	67.	67.8	68.	71.5	72.8	73.5	72.8	71.9	71.1	69.	67.	69.9
23	61.2	65.5	70.3	75.	77.8	78.	76.4	75.	74.7	74.2	72.8	70.2	72.6
24	69.	67.5	65.4	68.3	77.5	79.2	79.	77.5	75.3	73.3	71.	69.5	72.7
25	68.3	71.5	74.3	74.5	74.7	74.3	74.5	75.5	77.1	75.8	72.5	74.1	73.9
26	79.1	81.2	78.8	75.8	77.8	78.	78.4	78.6	76.4	78.	76.3	75.2	77.8
27	73.5	71.7	70.3	68.8	68.	68.	68.3	69.2	70.6	71.8	72.	71.8	70.3
28	71.2	70.4	69.7	70.	73.	74.3	75.1	77.	....	....	76.9	75.3	73.3
30	....	....	....	....	....	77.5	78.6	77.9	79.4	78.2	76.2	74.9	77.5
31	73.2	71.3	69.3	67.8	68.4	67.1	68.	68.5	70.8	71.7	70.4	69.1	69.6
Means	68.3	68.	67.9	68.7	69.1	70.	70.1	70.9	71.2	71.2	70.3	69.6	69.7

Göttingen time.. Observatory time	h. m. 6 02 0 21½	h. m. 8 02 2 21½	h. m. 10 02 4 21½	h. m. 12 02 6 21½	h. m. 14 02 8 21½	h. m. 16 02 10 21½	h. m. 18 02 12 21½	h. m. 20 02 14 21½	h. m. 22 02 16 21½	h. m. 0 02 18 21½	h. m. 2 02 20 21½	h. m. 4 02 22 21½	Means.	Reduced to 32° F.
May 2	.....	.....	.....	.....	.....	592.7	587.1	579.8	571.2	573.6	579.7	574.	579.7	515.7
3	562.1	562.4	554.6	565.	602.1	604.7	582.2	580.5	585.3	594.3	595.5	590 2	581.6	498.7
4	580.5	575.7	571.2	573.	604.	600.	.....	580.5	578.1	603.5	593.9	592 1	586.6	490.4
5	599.3	592.3	588.5	579.1	605.5	615.6	593.8	588.6	591.5	604.2	607.	598.6	597.	495.9
6	596.6	582.	586.	583.2	594.9	630.7	614.8	592.4	620 5	614.6	615.	615.5	603.9	519.4
7	611.3	621.6	601.9	605.4	594.1	601.6	606.5	574.5	577.	604.9	601.7	600.1	600.	518.4
9	.....	.....	.....	.....	579.	571.1	537.2	546.	557.1	586.5	584.2	588.8	568.7	485.5
10	.....	578.1	577.5	583.4	588.9	601.9	609.4	590.1	603.	620.2	611.7	624.7	599.	511.4
11	611.4	620.7	620.8	620.4	629.	639.8	632.7	617.4	620.	634.	641.8	636.7	627.1	531.7
12	643.8	630.7	623.9	622 1	629.9	634.	619.1	587.9	597.8	607.	607.7	610.	617.8	528.4
13	610.6	615.3	588.8	.....	613.3	628.6	632.	624.8	626.2	632.3	634.5	621.3	620.7	525.5
14	610.7	597.3	579.	572.7	592.9	609.7	582.	589.5	590.7	604.	608.3	610.6	595.6	504.3
16	553.6	558.8	564.4	587.6	651.6	664.5	631.6	628.2	631.1	639.7	638.8	693.	620.2	531.5
17	623.8	618.6	618.8	625.2	642.4	655.1	650.1	630.3	648.8	656.5	672.5	646.7	640.7	533.8
18	635.9	643.1	623.3	618.3	643.5	664.9	657.1	647.8	659.2	659.	660.5	660.4	647.7	551.5
19	656.9	645.8	642.7	651.1	675.2	660.3	676.1	657.4	659.4	673.7	670.	673.8	661.9	561.5
20	673.2	666.1	654.7	633.2	643.9	634 9	606.5	592.9	600 3	592.7	593.5	614.6	625.5	556.9
21	627.2	623.8	629.2	630.7	649.	668.5	652.7	639.2	642.	650.5	644.4	639.4	641.4	549.6
23	615.1	617.6	628.6	642.2	674.	667.1	651.	641.9	638.2	652.5	648.3	646.3	643.6	540.9
24	637.	632.	615.3	615.5	648.8	684.6	673.8	655.9	641.9	648.5	641.4	629.	643.6	541.4
25	630.5	629.	640.9	638.7	666.	667.	657.7	651.7	634.8	632.5	662.3	646.5	646.5	542.2
26	650.6	651.7	654.	641.1	661.5	701.4	670.5	650.2	651.8	668.6	658.2	660.6	660.	546.4
27	651.8	649.1	642.	652.7	642.	661.	641.	626.8	640.7	643.2	653.2	644.2	645.6	547.8
28	646.3	644.	641.7	622.4	641.7	663.7	664.2	659.2	654.2	669.5	660.3	667.7	652.9	546.
30	670.6	662.5	655.5	649.	658 6	657.	671.4	667.9	662.5	664.	666.7	663.	662.4	553.5
31	653.2	649.	642.5	623.	636.5	647.4	642.7	637.8	625.7	641.7	648.1	650.2	641.5	547.4
Means	624.	619.5	614.4	614.6	630.7	639.5	629.7	616.9	619.6	629.7	630.7	630.7	625.1	
Reduced to 32° F.	532.5	529.3	525.	524.4	538.9	546.9	535.3	519.4	520.	528.8	532.4	535.3		530.7

Göttingen time / Observatory time	h. m. 6 02 / 0 21½	h. m. 8 02 / 2 21½	h. m. 10 02 / 4 21½	h. m. 12 02 / 6 21½	h. m. 14 02 / 8 21½	h. m. 16 02 / 10 21½	h. m. 18 02 / 12 21½	h. m. 20 02 / 14 21½	h. m. 22 02 / 16 21½	h. m. 0 02 / 18 21½	h. m. 2 02 / 20 21½	h. m. 4 02 / 22 21½	Means.
May 2	....	....	....	....	....	57.	57.	56.8	56.6	56.7	56.3	56.2	56.6
3	56.8	60.4	64.1	66.9	67.9	....	66.2	65.8	66.	65.	63.	60.8	63.9
4	59.5	60.8	63.9	66.	68.7	71.	....	73.	73.	73.2	74.	75.9	69.
5	74.3	72.4	71.	71.	72.6	69.4	69.1	69.4	70.9	72.	70.6	68.	70.9
6	65.2	62.9	60.8	59.6	60.5	61.8	63.2	65.7	68.	69.8	69.	67.7	64.5
7	66.7	65.5	63.7	62.	62.2	61.7	61.8	62.6	64.1	64.7	63.7	62.	63.4
9	....	....	....	....	54.7	54.7	60.	....	67.9	70.5	71.2	68.8	64.
10	....	65.1	64.7	64.2	62.8	64.3	65.8	66.7	67.2	67.8	67.2	66.5	65.7
11	65.7	64.7	63.8	63.5	64.8	65.7	68.5	70.8	73.5	75.	75.1	73.5	68.7
12	71.9	69.7	67.7	65.5	65.	64.3	64.3	64.7	66.2	67.	65.6	65.	66.4
13	63.6	62.1	61.	....	67.	69.7	71.7	72.7	73.2	73.1	71.8	69.	68.6
14	65.7	63.8	65.	67.8	68.7	67.7	66.8	67.	68.7	69.8	68.1	66.	67.1
16	54.7	56.9	61.7	64.2	66.3	66.5	68.2	70.	71.2	72.2	71.5	70.	66.1
17	68.3	67.6	65.	68.8	72.5	74.7	76.5	77.7	78.3	78.2	75.9	73.3	73.1
18	71.1	68.9	67.	65.	65.4	66.7	68.5	70.2	71.3	72.2	71.4	70.6	69.
19	69.2	67.8	66.7	66.2	67.6	68.4	70.6	72.6	74.5	75.2	74.8	73.5	70.6
20	71.5	68.5	64.9	61.7	59.3	56.7	54.7	53.1	52.2	51.8	52.1	58.4	58.4
21	62.9	64.2	65.	65.4	63.6	70.	70.6	70.9	70.9	70.2	68.2	66.1	67.3
23	60.8	64.6	68.6	73.2	76.4	76.2	74.7	73.8	74.	74.	72.5	69.4	71.5
24	67.9	66.3	64.1	66.5	74.8	76.4	77.1	76.3	74.5	72.5	70.4	69.	71.3
25	67.6	69.8	72.2	72.5	72.9	72.2	72.2	73.	74.6	74.2	71.8	72.	72.1
26	75.3	76.7	75.5	72.5	74.5	75.5	76.5	77.4	77.5	77.	75.6	74.2	75.7
27	72.3	70.7	69.5	67.8	67.2	67.	67.2	67.9	70.	71.8	72.	71.7	69.6
28	70.7	69.9	68.7	68.8	71.8	72.9	73.4	74.7	76.8	77.8	76.8	75.	73.1
30	72.2	71.6	70.5	70.	70.6	74.3	76.2	76.6	77.4	77.	75.8	74.	73.9
31	72.1	70.	68.	66.7	66.	66.	66.4	67.2	69.1	71.	....	68.4	68.2
Means	67.2	66.7	66.4	66.7	67.3	67.6	68.3	69.5	70.3	70.8	69.8	68.7	68.3

Correction for temperature, 2.6 divisions of the scale for one degree Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 54	h. m. 14 00	h. m. 14 06	h. m. 13 52	h. m. 13 58	h. m. 14 04	Temperature Fahrenheit.	h. m. 13 56	h. m. 14 02	h. m. 14 08	Temperature Fahrenheit.
Observatory time	8 13½	8 19½	8 25½	8 11½	8 17½	8 23½		8 15½	8 21½	8 27½	
May 2.....	.....	.....	.....	.....	.....	.....	....	.....	.....	.....	....
3.....	564.6	566.6	566.3	700.6	701.5	702 2	71.	598.5	602.1	602.5	67.9
4.....	568.3	567.7	568.1	694.1	696.	698.	72.	601.5	604.	605.6	68.7
5.....	573.8	574.2	572.5	761.2	762.1	762.3	74.7	602.5	605.5	606.2	72.6
6.....	572.2	572.7	572.7	583.9	583.2	583.	60.7	595.6	594.9	596.5	60.5
7.....	563.7	562.8	563.	617.2	615.7	614.5	62.7	601.2	594.1	591.4	62.2
9.....	570.8	570.1	571.	500	500.3	500.2	55.1	579.	579.	580.4	54.7
10.....	572.1	573.3	573.3	657.6	657.9	655.6	67.	585.2	588.9	582.4	62.8
11.....	569.5	569.	569.	623.6	623.8	623.7	64.5	628.4	629.	630.4	64.8
12.....	573.6	574.1	573.5	654.1	653.1	651.5	66.	628.5	629.9	630.7	65.
13.....	574.7	572.6	573.	662.1	663.5	664.6	68.8	621.	613.3	623.1	67.
14.....	566.6	566.5	566.9	705.1	706 2	705.6	71.2	591.9	592.9	594.5	68.7
16.....	554.5	557.	558.7	692.7	688.9	687.1	68.3	642.2	651.6	655.8	66.3
17.....	568.6	569.1	566.7	727.9	730.9	733.2	74.5	640.9	642 4	646.2	72.5
18.....	566.8	565.1	565.7	653.6	653.2	653.5	66.5	642.5	643.5	645.	65.4
19.....	568.8	564.5	563.4	662.6	662.3	661.	67.3	672.4	675.2	672.1	67.6
20.....	562.4	562.4	561.3	586.8	585.4	583.	60.8	643.3	643.9	646.7	59.3
21.....	566.9	566.4	566.5	691.5	692.9	695.1	71.5	649.	649.	651.	63.6
23.....	569.3	567.7	568.5	775.1	777.2	779.6	77.8	671.3	674.	674.7	76 4
24.....	581.6	582.2	580.7	727.4	732.5	737.1	77.5	648.2	648.8	650.7	74.8
25.....	571.5	570.3	570.2	757.	757.1	757.5	74.7	662.5	666.	663.8	72.9
26.....	568.	569.4	568.9	808.	810.5	809.	77.8	661.3	661.5	664.3	74.5
27.....	570.1	569.7	570.	686.5	685.	685.6	68.	641.3	642.	644.7	67.2
28.....	574.2	576.4	576.2	716.4	717.	719.1	73.	641.	641.7	642.1	71.8
30.....	574.	573.9	574.1	.....	.....	.....	....	657.9	658.6	660.6	70.6
31.....	574.	574.1	574.5	664.7	664.	663.7	68.4	636.5	636.5	637.9	66.

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
June 1	564.5	565.5	566 6	575.6	573.4	561.9	555.	552.4	555.2	561.	559.5	564.	562.9
2	567.3	570.3	571.1	574.8	576.3	556.1	548.5	547.	555.	564.2	571.1	564 3	563.8
3	563.	566.	558.7	.....	574.7	560.1	552.5	553.	558.1	566.2	562.6	562.9	561.6
4	563.6	564.8	563.4	576.6	576.	570.	565.7	532.5	573 1	553.1	566.7	557.	563.5
6	560.5	556.1	.....	575.	572.6	558.4	549.	549.6	558.3	559.	568.	562.6	560.9
7	560.4	556.	565.4	572.1	571.2	557.4	544.1	550.	555.7	557.8	557.6	560.	559.
8	564.5	556.3	567.8	566.7	567.1	550.2	543.7	548.5	550.	563.9	558.6	565.5	558.6
9	563.2	561.	564.6	572.1	570.1	570.5	559.	550.8	548.3	559.1	569.	560.1	562.3
10	561.2	562.	564.4	579.2	584.6	574.8	556.6	548 9	554.	561.2	562.6	563.3	564.4
11	562.6	561.7	583.	576.2	577.9	569.	554.1	552.3	556.8	560.3	558.8	562.9	564.6
13	573.1	569	574.	577.8	569.6	561.	545.3	553.9	557.5	566.7	571.5	571.2	565.9
14	562.4	560.9	562.	563.9	572.6	569.	555 4	552.5	568.4	560.	563.	564.8	562.9
15	564.	574.	573.8	577.5	571.4	565.2	559.2	555.6	560.	559.2	566.4	560.3	565.5
16	565.6	553.	565.	570.	569.2	558.6	556.9	561.	562.8	561.	561.	562.	562.2
17	567.	565.	568.3	562.6	571.6	572.5	556.2	556.4	561.	563.4	563.5	563.3	564.2
18	563.	566.6	569.5	573.9	571.8	565.3	554.5	556.8	562.3	560.4	563.	568.7	564.6
20	563.7	563.5	566.9	570.	573.9	562.7	555.6	553.	560.2	563.7	564.1	564.1	563.4
21	562.9	564.2	566.	569.8	574.1	569.2	556.2	554.1	559.1	563.	563.	563.	563.7
22	564.	566.	567.8	573.2	574.4	564.	556.2	550.1	558.6	557.	562.8	570.2	563.7
23	589.3	565.5	557.8	578.1	570.9	565.	560.	551.3	558.3	562.8	561.4	564.2	565.4
24	554.7	543.6	566.3	562.3	566.	559.3	555.3	555.4	559.8	562.2	563.4	567.7	559.7
25	569.	565.8	567.8	569.8	580.6	572.	555.1	556.6	558.4	561.4	575.	575.8	567.3
27	570.	566.5	569.2	573.6	575.3	566.	554.4	554.1	558.5	564.5	564.	564.8	565.1
28	566.9	563.4	566.5	573.4	577.5	569.	554.	554.5	560.8	563.7	563.3	563.8	564.7
29	566.1	562.8	566.	571.5	576.1	568.	558.	553.4	556.	561.5	563.5	566.3	564.1
30	571.	568 6	567.	574.7	572.7	566.3	551.3	550.	556 5	563.4	563.1	575.5	565.
Means	565.5	563.	567.1	572.4	573.5	564.7	554.3	552.1	558.6	561.5	564.1	564.9	563.4

Göttingen time.. Observatory time.	h. m. 5 58 0 17½	h. m. 7 58 2 17½	h. m. 9 58 4 17½	h. m. 11 58 6 17½	h. m. 13 58 8 17½	h. m. 15 58 10 17½	h. m. 17 58 12 17½	h. m. 19 58 14 17½	h. m. 21 58 16 17½	h. m. 23 58 18 17½	h. m. 1 58 20 17½	h. m. 3 58 22 17½	Means.	Reduced to 32° F.
June 1.....	679.	651.8	624.8	588.2	591.7	602.2	619.4	636.2	659.1	689.	706.9	700.	645.7	175.9
2.....	690.3	669.8	638.	610.5	610.	617.	634.	659.	689.1	723.5	724.7	704.5	664.2	182.3
3.....	676.9	658.7	629.7	.....	598.	613.1	631.	650.6	671.2	692.	703.1	691.3	655.9	179.4
4.....	681.7	666.6	652.6	642.5	634.9	642.6	650.7	650.	660.	648.	659.	701.5	657.5	175.6
6.....	762.6	757.7	.....	733.8	715.	712.7	722.5	735.5	736.	749.7	759.5	746.6	739.2	185.7
7.....	723.3	678.	640.5	604.8	585.	580.5	588.6	603.	625.5	637.7	638.	623.4	627.4	180.6
8.....	676.5	580.6	568.3	544.	537.6	544.	574.3	597.2	612.	619.4	623.4	623.3	591.7	181.3
9.....	617.6	611.3	611.	607.9	608.9	621.	637.5	657.	696.2	709.	724.8	726.3	652.4	170.5
10.....	730.2	726.9	724.9	718.9	713.6	716.9	726.7	742.	769.5	789.	794.3	774.3	743.9	179.6
11.....	750.7	711.1	676.1	627.1	599.7	581.2	571.5	573.	581.	600.5	612.4	592.6	623.1	185.7
13.....	610.3	601.9	567.8	573.9	572.3	597.1	630.9	662.	681.7	695.5	660.3	667.5	626.7	162.3
14.....	682.	724.7	708.6	703.3	692.7	689.2	688.2	690.3	697.5	715.	722.7	722.9	703.1	180.7
15.....	738.5	718.4	711.8	708.4	699.	703.3	719.5	740.8	751.1	755.4	750.7	747.9	728.7	184.7
16.....	741.	736.2	754.7	728.7	725.2	733.9	753.6	784.	807.3	816.	814.	810.2	767.1	182.6
17.....	803.	798.9	791.8	785.7	775.8	776.	773.	775.	776.	783.	781.5	772.3	782.7	191.4
18.....	767.4	764.7	757.7	754.3	751.5	758.	770.	798.	810.	816.8	815.	807.6	780.9	181.5
20.....	801.6	786.4	771.6	764.9	753.3	750.9	749.	748.	757.7	762.	765.1	759.8	764.2	183.7
21.....	754.8	744.4	754.	719.6	715.	724.	732.	747.	770.	792.7	794.1	771.5	751.6	179.2
22.....	761.	752.2	741.6	732.	726.	737.2	757.3	782.	805.6	831.7	837.4	831.8	774.6	164.4
23.....	818.9	801.	794.8	777.6	773.	789.	801.3	803.	798.	795.5	784.5	764.3	791.7	186.9
24.....	759.2	743.9	726.5	721.1	706.9	695.	706.	718.5	730.9	752.	758.4	731.4	729.1	181.
25.....	723.4	711.	707.5	704.6	699.	704.	724.5	740.5	753.	762.	762.2	755.3	728.9	171.4
27.....	822.1	787.2	733.5	735.5	741.8	754.	779.	799.	712.4	806.5	795.5	783.1	770.8	168.7
28.....	771.5	756.5	739.2	725.	713.6	712.9	720.5	741.	764.4	786.9	798.1	797.8	752.3	175.9
29.....	782.4	773.7	764.7	754.9	751.	766.3	790.	805.7	821.5	840.	849.3	840.6	795.	179.4
30.....	805.9	793.5	769.6	759.	758.	779.8	811.	840.5	863.	882.	875.6	863.3	816.8	181.1
Means.....	735.9	719.5	702.4	693.	682.6	688.5	702.4	718.4	730.8	748.3	750.4	742.7	718.	
Reduced to 32° F.	198.6	197.1	194.8	189.5	180.4	172.8	163.7	160.9	153.	169.1	184.7	183.8		178.7

Göttingen time / Observatory time	h. m. 5 58 / 0 17½	h. m. 7 58 / 2 17½	h. m. 9 58 / 4 17½	h. m. 11 58 / 6 17½	h. m. 13 58 / 8 17½	h. m. 15 58 / 10 17½	h. m. 17 58 / 12 17½	h. m. 19 58 / 14 17½	h. m. 21 58 / 16 17½	h. m. 23 58 / 18 17½	h. m. 1 58 / 20 17½	h. m. 3 58 / 22 17½	Means.
June 1	67.	65.2	63.3	62.2	62.7	64.2	66.1	68.1	70.6	72.	71.	70.	66.8
2	68.2	66.4	64.4	63.4	63.4	65.1	67.4	69.6	73.7	72.3	70.9	69.3	67.7
3	67.	65.7	63.5	....	62.8	64.8	67.	68.5	70.6	71.2	70.	69.1	67.3
4	68.	66.9	65.9	65.4	65.2	65.9	67.4	69.1	69.4	69.5	69.8	69.9	67.7
6	....	....	....	72.	71.4	72.1	73.7	74.	74.8	....	74.	72.2	73.
7	69.5	66.8	64.4	62.6	62.4	62 4	63.6	65.7	67.8	67.2	65.3	64.2	65.1
8	62.1	60.8	60.7	59.	59.	60.2	62.5	65.	65.5	65.	65.	64.7	62.4
9	64.2	63.8	63.8	63.8	64.2	65.	67.	69.8	72.1	73.	72.8	73.	67.7
10	72.5	72.2	71.8	70.9	70.8	71.8	73.8	75.1	77.8	78.3	76.5	74.2	73.8
11	71.6	69.2	67 5	64.	62.2	61.	60.9	61.9	63.8	64.8	63.7	62.2	64.4
13	63.	62.2	61.6	60.8	61.7	64.3	67.3	69.3	71.5	72.	72.2	71.7	66.4
14	70.9	70.3	69.7	69.	69.3	69.7	70.5	71.2	72.3	72.5	71.9	71.8	70.7
15	71.2	70.9	70.	69.8	70.1	71.8	73.4	74.6	74.7	74.1	73.3	73.2	72.3
16	72.7	72.5	71.1	71.9	72.6	74.2	76.6	78.3	79.	78.8	78.1	78.	75.3
17	76.9	76.7	76.	75.5	75.2	75.3	75.8	76.	76.3	76.	75.	75.3	75.8
18	74.9	74.5	74.	73.8	74.3	75.1	77.1	79.	79.	79.	78.1	77.7	76.4
20	77.	76.2	75.6	74.7	74.2	74.1	74.	74.5	75.	75.5	75.	74.6	75.
21	74.	73.	72.	71.4	72.	72.6	74.5	75.8	78.	78.	76.4	75.1	74.4
22	74.8	73.9	73.	72.3	73.	74.5	76.7	78.	80.5	81.1	79.9	88.4	77.2
23	77.2	76.3	76.	76.	76 5	77.4	78.3	78.5	78.4	77.5	75.5	74.3	76.8
24	73.5	72.1	70.	70.2	70.2	70.7	72.2	73.6	75.4	76.3	74.8	72.4	72.6
25	71.8	71.7	71.4	70.8	70.8	72.2	74.	75.4	76.	76.	74.7	74.2	73.3
27	78.2	75.6	73.4	73.6	74.3	76.9	78.	79.3	79.2	77.9	77.	76.1	76.6
28	74.9	73.8	72.7	71.6	71.4	71.7	74.	75.5	77.4	78.5	78.	77.	74.7
29	75.8	75.2	74.4	74.	75.	76.2	78.	79.3	81.	82.	81.3	79.3	77.6
30	77.3	75.9	74.6	74.3	75.3	77.4	80.7	81.7	84.1	84.	82.5	81.3	79.1
Means	71.8	70.7	69.6	69.3	69.2	70.2	71.9	73.3	74.8	74.9	73.9	73.4	71.9

Degrees Fahrenheit.

Göttingen time... / Observatory time.	h. m. 6 02 / 0 21½	h. m. 8 02 / 2 21½	h. m. 10 02 / 4 21½	h. m. 12 02 / 6 21½	h. m. 14 02 / 8 21½	h. m. 16 02 / 10 21½	h. m. 18 02 / 12 21½	h. m. 20 02 / 14 21½	h. m. 22 02 / 16 21½	h. m. 0 02 / 18 21½	h. m. 2 02 / 20 21½	h. m. 4 02 / 22 21½	Means.	Reduced to 32° F.
June 1.....	643.2	633.1	641.9	612.2	630.8	636.	651.1	642.7	648.4	645.9	645.5	648.4	639.9	550.5
2.....	662.7	658.4	642.7	620.4	653.	623.4	635.4	640.2	649.3	650.1	649.2	653.3	644.8	553.5
3.....	642.2	641.7	629.4	622.	656.	671.7	661.4	664.4	657.3	648.5	649.5	652.	649.7	560.3
4.....	645.	640.3	634.7	630.2	639.7	646.5	614.3	715.2	593.9	643.5	715.8	706.3	652.1	561.1
6.....	685.5	685.9	.....	671.3	685.	705.5	687.1	669.8	656.	689.2	678.1	684.6	681.7	577.1
7.....	680.8	668.8	655.8	641.6	647.9	660.2	643.3	628.2	626.5	655.	644.7	641.9	649.5	566.6
8.....	626.8	642.4	636.5	625.8	636.9	639.5	624.6	616.4	628.4	639.8	652.3	650.9	635.	558.6
9.....	644.	655.9	650.	621.5	639.5	648.4	654.2	652.5	658.4	669.8	684.7	665.5	653.7	561.9
10.....	660.2	660.1	652.2	595.8	635.3	676.2	668.8	664.7	665.	670.9	675.1	666.1	657.5	549.9
11.....	656.5	656.2	644.8	627.2	636.7	658.3	649.	620.8	619.2	624.4	625.3	626.9	637.3	557.2
13.....	652.2	641.1	603.	617.	661.5	647.7	627.3	624.	644.3	670.	686.6	676.6	645.9	556.7
14.....	666.7	652.	662.3	684.3	650.8	688.7	697.6	691.2	648.8	672.	663.7	677.2	671.3	572.
15.....	674.8	673.1	671.8	668.2	660.5	668.	665.7	660.3	664.3	676.3	663.7	650.8	668.1	564.9
16.....	675.1	674.9	664.7	669.	669.4	681.	672.2	653.5	671.2	684.	685.3	683.9	673.7	562.2
17.....	677.5	673.	676.	673.8	684.1	681.4	679.2	666.	658.	667.5	666.6	669.6	672.7	560.1
18.....	673.5	669.9	675.8	653.	670.	677.	673.2	654.8	654.	676.2	680.	670.	668.9	554.8
20.....	702.8	690.	681.8	683.7	683.8	689.2	671.8	660.2	665.9	684.6	686.	682.5	681.9	571.7
21.....	680.9	675.3	667.	655.8	670.1	688.2	665.7	661.7	664.2	672.5	676.6	668.6	670.5	561.6
22.....	665.1	660.9	659.7	659.3	669.1	696.9	686.7	655.5	646.3	662.9	654.3	674.1	665.8	551.9
23.....	647.4	674.9	680.3	671.3	684.9	686.1	680.8	701.4	660.4	696.2	672.6	665.4	676.8	562.4
24.....	645.7	694.9	664.9	658.7	681.6	695.6	670.6	666.	667.1	671.5	678.5	673.	672.3	569.1
25.....	664.9	662.	657.9	654.9	659.1	675.1	675.2	670.	677.5	679.6	662.8	642.5	665.1	558.8
27.....	689.6	687.	671.9	668.	674.6	688.1	685.3	666.5	679.1	681.9	679.2	678.	679.1	564.7
28.....	676.	669.8	663.7	659.2	660.1	681.7	682.5	552.5	676.2	685.	683.8	685.5	664.7	556.
29.....	670.5	678.5	671.	655.	659.4	692.1	685.8	671.1	685.8	689.1	688.5	693.	678.3	560.5
30.....	670.5	689.1	671.1	664.	682.7	714.7	695.6	680.	693.8	703.5	698.5	758.4	693.4	570.4
Means.....	664.6	665.7	657.2	648.6	660.8	673.7	665.5	655.7	656.1	669.6	671.	670.9	663.5	
Reduced to 32° F.	562.7	566.9	561.5	554.1	565.6	576.6	564.4	550.4	546.4	558.3	561.8	565.6		561.3

Göttingen time / Observatory time	h. m. 6 02 / 0 21½	h. m. 8 02 / 2 21½	h. m. 10 02 / 4 21½	h. m. 12 02 / 6 21½	h. m. 14 02 / 8 21½	h. m. 16 02 / 10 21½	h. m. 18 02 / 12 21½	h. m. 20 02 / 14 21½	h. m. 22 02 / 16 21½	h. m. 0 02 / 18 21½	h. m. 2 02 / 20 21½	h. m. 4 02 / 22 21½	Means.
June 1	66.5	64.4	62.6	61.7	62.5	63.8	65.3	67.3	70.	72.2	71.4	69.8	66.4
2	67.7	65.5	63.5	62.2	63.2	64.7	66.8	68.8	71.3	72.2	70.7	68.7	67.1
3	65.9	64.7	61.4	61.7	63.4	64.	66.2	67.9	70.4	71.8	70.5	68.9	66.4
4	67.6	66.	64.8	64.7	64.4	65.	66.3	68.1	69.2	69.3	69.5	69.5	67.
6	....	....	....	71.	70.4	70.5	71.8	72.9	74.3	75.	74.	71.3	72.3
7	68.2	65.3	62.7	61.5	61.6	61.5	62.1	63.7	65.8	66.2	65.2	63.4	63.9
8	61.2	59.7	58.	57.7	57.7	59.	61.3	63.8	65.1	65.2	65.	64.2	61.4
9	63.5	63.	63.3	63.5	63.7	64.6	66.1	68.6	71.2	73.3	73.5	73.	67.3
10	72.5	72.	71.5	70.7	70.4	71.5	73.2	74.8	76.8	78.	76.3	73.3	73.4
11	70.2	67.3	65.4	62.3	60.4	59.	58.9	59.5	61.7	63.9	63.3	61.3	62.8
13	62.8	61.8	61.1	60.5	61.7	63.9	66.5	69.2	71.8	72.8	72.3	71.7	66.3
14	70.8	69.9	69.5	68.5	68.4	68.7	69.5	70.3	71.4	72.	71.8	71.3	70.2
15	70.7	70.3	69.5	69.3	69.4	70.7	72.6	74.	74.5	74.	73.	72.8	71.7
16	72.3	71.9	71.5	71.4	71.8	73.5	75.7	77.5	78.8	78.5	78.1	77.6	74.9
17	76.3	76.1	75.5	74.7	74.5	74.5	75.	75.3	75.5	75.6	75.4	74.9	75.3
18	74.2	74.	73.7	73.2	73.5	74.6	76.4	78.1	79.	79.	78.	77.5	75.9
20	76.5	75.7	74.6	73.8	73.	73.	73.	73.4	75.	75.2	75.	74.4	74.4
21	73.3	72.2	71.5	71.	71.8	72.2	73.4	75.	77.4	78.	76.8	75.	73.9
22	74.2	73.1	72.4	71.6	71.9	73.7	75.7	77.4	80.1	81.6	80.2	78.1	75.8
23	76.7	75.7	75.	75.5	75.7	76.3	77.1	77.5	77.8	76.9	75.	73.3	76.
24	72.	71.	70.	69.3	69.	69.1	70.8	72.5	74.7	76.2	74.7	71.6	71.7
25	71.4	71.	70.7	70.5	70.5	72.	73.7	75.	76.	76.2	74.8	74.	72.9
27	78.1	75.1	72.7	73.5	74.	75.3	77.3	78.6	78.5	77.1	76.5	75.4	76.
28	74.	72.7	71.5	70.7	70.4	71.	73.	74.9	....	78.6	78.4	76.7	73.8
29	75.2	74.8	73.5	73.6	75.	75.9	77.3	78.7	80.7	82.5	82.	78.9	77.3
30	76.9	74.9	74.	78.6	75.2	77.1	80.5	81.9	84.5	84.4	82.8	81.	79.3
Means	71.1	69.9	68.8	68.6	68.6	69.4	70.9	72.5	74.1	74.8	74.	72.6	71.3

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 54	h. m. 14 00	h. m. 14 06	h. m. 13 52	h. m. 13 58	h. m. 14 04	Temperature Fahrenheit.	h. m. 13 56	h. m. 14 02	h. m. 14 08	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 11½	8 17½	8 23½		8 15½	8 21½	8 27½	
June 1.....	573.8	573.4	572.3	591.4	591.7	592.6	62.7	630.3	630.8	630.	62.5
2.....	577.	576.3	576.	610.	610.	610.1	63.4	648.3	653.	651.7	63.2
3.....	576.5	574.7	574.	598.	598.	598.	62.8	653.3	656.	657.	63.4
4.....	576.	576.	575.2	634.	634.9	634.8	65.2	637.6	639.7	642.	64.4
6.....	573.2	572.6	572.6	716.3	715.	715.	71.4	684.7	685.	685.6	70.4
7.....	570.8	571.2	570.7	585.4	585.	585.	62.4	648.	647.9	644.8	61.6
8.....	568.2	567.1	566.7	538.	537.6	538.9	59.	635.	636.9	640.	57.7
9.....	578.2	570.1	571.2	610.1	608.9	609.4	64.2	639.7	639.5	637.7	63.7
10.....	586.1	584.6	581.9	714.5	713.6	713.4	70.8	638.	635.3	634.2	70.4
11.....	577.5	577.9	577.5	602.7	599.7	598.5	62.2	635.5	636.7	636.9	60.4
13.....	573.3	569.6	568.1	572.	572.3	572.7	61.7	665.	661.5	659.2	61.7
14.....	572.1	572.6	573.	693.3	692.7	691.3	69.3	648.9	650.8	653.9	68.4
15.....	571.1	571.4	572.	699.2	699.	698.9	70.1	659.5	660.5	661.2	69.4
16.....	570.	569.2	570.	725.	725.2	725.1	72.6	671.4	669.4	671.	71.8
17.....	571.7	571.6	571.8	776.8	775.8	776.4	75.2	681.7	684.1	684.	74.5
18.....	571.9	571.8	572.	752.	751.5	751.6	74.3	670.4	670.	668.7	73.5
20.....	574.8	573.9	573.	754.7	753.3	752.6	74.2	682.2	683.8	682.3	73.
21.....	573.1	574.1	574.6	715.	715.	715.	72.	669.	670.1	670.9	71.8
22.....	574.3	574.4	574.6	726.2	726.	725.8	73.	667.3	669.1	671.	71.9
23.....	570.4	570.9	571.2	772.7	773.	773.	76.5	683.8	684.9	680.5	75.7
24.....	566.5	566.6	566.7	704.	706.9	706.7	70.2	677.	681.6	683.5	69.
25.....	580.7	580.6	578.8	700.	699.	698.8	70.8	666.1	659.1	657.9	70.5
27.....	573.5	575.3	575.1	740.7	741.8	741.9	74.3	674.9	674.6	675.3	74.
28.....	577.6	577.5	578.	714.	713.6	713.	71.4	660.1	660.1	662.1	70.4
29.....	576.4	576.1	576.8	751.	751.	751.2	75.	658.7	659.4	661.5	75.
30.....	571.2	572.7	575.5	757.	758.	759.5	75.3	679.2	682.7	682.	75.2

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

ORDINARY MAGNETIC AND TRIPLE OBSERVATIONS,

FROM JULY TO DECEMBER, 1842.

GENERAL NOTES.

The instruments during this half year were as in June, 1842.

The correction for temperature of the vertical force remains the same; that of the horizontal force magnetometer is from 2.6 to 2.5 divisions for one degree Fahrenheit.

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
July 1	576.1	568.3	566.	573.8	577.2	575.5	552.8	543.8	553.3	560.4	.....	563.8	564.6
2	597.8	568.4	570.5	579.2	593.7	567.7	545.	563.5	550.2	587.7	575.4	575.9	572.9
4	608.2	570.5	572 3	577.2	569.4	554.5	568.	556.7	560.8	563.	571.5	558.7	569.2
5	565.7	555.6	563.5	576.	.....	569.8	559.4	556.2	558.4	562.	564.5	571.	563.8
6	570.8	558.3	564.8	575.4	.....	561.8	553.9	549.3	557.	556.	558.1	562.	560.7
7	565.1	570.3	567.	575.5	571.2	566.4	556.2	551.8	557.	561.5	563.	563.1	564.
8	563.7	565.	566.5	573.2	577.	565.3	557.5	551.	557.	561.3	583.2	588.3	567.4
9	580.3	572.4	568.7	.....	565.	568.5	558.2	548.9	555.8	564.2	593.4	572.1	567.9
11	563.9	553.6	566.4	565 3	575.6	564.	551.6	555.9	558.8	563.1	573.2	568.6	563.3
12	565.1	559.	562.9	572.5	575.6	568.	559.5	548.	558.3	565.1	565.6	569.3	564.1
13	564.7	563.	565.	574.2	574.5	565.1	558.6	553.7	556.9	559.	562.1	564.7	563.5
14	565.3	564.7	562.4	574.	574.3	566.4	555.2	552.6	557.5	561.2	564.2	565.6	563.6
15	560.5	566.5	574.6	583.6	576.6	565.6	556.1	552.9	559.1	562.	562.1	565.	565.4
16	572.	566.1	569.2	567.	573.5	562.8	556.	557.8	559.	561.4	563.	566.	564.5
18	566.9	566.3	568.5	576.6	575.8	566.	554.4	558.1	562.5	563.	564.1	577.	566.6
19	563.3	566.1	569.1	576.	568.2	561.	554.	557.7	559.	561.7	561.8	572.	564.2
20	567.5	565.5	573.7	578.8	572.5	566.2	557.4	557.2	559.5	563.7	567.1	564.	566.1
21	561.1	563.4	567.7	573.7	576.3	567.	557.8	556.1	563.1	564.9	564.	564.1	564.9
22	563.3	566.3	567.7	580.7	577.	559.8	547.6	552.	560.	563.5	562.	565.4	563.8
23	566.9	577.9	578.	578.6	576.9	566.1	556.8	553.9	565.7	563.4	576.6	569.6	569.2
25	566.9	563.1	567.2	572.9	583.8	574.7	557.4	555.5	564.9	565.2	563.3	570.6	567.1
26	567.3	566.7	573.8	580.8	581.2	566.1	551.8	543.	555.4	560.1	562.7	566.9	564.6
27	564.5	560.7	566.8	568.2	582.1	565.2	554.3	551.5	557.2	565.4	563.6	566.6	563.8
28	567.	568.5	575.8	578.3	578.3	572.	559.5	553.4	555.9	568.3	563.8	568.8	567.4
29	569.5	570.	580.6	587.4	589.1	580.7	559.5	552.6	552.6	557.	586.5	567.6	571.1
30	571.	568.8	571.6	577.8	580.1	569.3	564.6	555.9	558.	563.6	575.1	570.	568.8
Means	569.8	565.6	569.2	575.9	576.8	566.7	556.3	553.4	558.2	563.4	568.4	568.3	565.9

Göttingen time.. Observatory time	h. m. 5 58 0 17½	h. m. 7 58 2 17½	h. m. 9 58 4 17½	h. m. 11 58 6 17½	h. m. 13 58 8 17½	h. m. 15 58 10 17½	h. m. 17 58 12 17½	h. m. 19 58 14 17½	h. m. 21 58 16 17½	h. m. 23 58 18 17½	h. m. 1 58 20 17½	h. m. 3 58 22 17½	Means.	Reduced to 32° F.
July 1.....	846.7	823.	804.	794.5	803.8	825.7	881.3	904.5	929.2	948.2	.....	911.	861.1	179.4
2.....	933.7	934.7	939.4	877.7	841.5	840.8	841.	811.	816.	829.8	839.8	838.7	862.	189.7
4.....	917.8	883.2	822.7	808.7	788.7	774.4	.....	803.	814.	832.	832.5	833.3	828.2	196.4
5.....	818.5	807.2	800.8	790.5	780.1	783.1	789.	802.2	821.8	833.	829.4	820.8	806.4	171.9
6.....	811.7	808.9	782.8	762.5	761.	768.4	765.	759.5	770.	766.9	770.7	759.1	773.9	178.6
7.....	756.4	751.6	727.5	714.	703.5	699.3	698.	707.5	746.5	765.2	761.9	747.2	731.5	172.6
8.....	730.5	715.7	706.	705.	706.	713.3	727.8	734.1	755.4	782 8	785.8	798.6	738.4	163.3
9.....	799.5	793.1	790.1	.....	774.	779.5	780.9	787.6	791.4	785.	786.7	777.5	785.9	171.7
11.....	723.5	712.9	704.7	706.5	698.5	705.	724.5	752.3	762.9	773.1	776.8	755.1	733.	166.
12.....	733.6	721.4	713.8	705.1	696.9	698.4	710.9	731.4	754.	783.1	800.9	785.5	736.2	163.8
13.....	786.1	759.4	732.2	726.	723.1	743.7	767.2	803.	820.2	845.	855.	856.2	784.7	165.
14.....	838.7	813.6	797.9	792.3	791.9	805.8	825.6	851.	871.1	871.	867.	856.5	831.9	177.2
15.....	836.7	784.7	761.9	756.7	748.2	741.	734.	722.4	715.4	711.	703.	690.2	742.1	183.2
16.....	686.1	677.	672.5	667.2	663.	660 9	655.7	651.1	648.	655.	658.	659.	662.8	170.1
18.....	785.9	749.1	737.8	722.8	731.7	743.3	769.2	779.	828.1	865.	871.	857.	786.7	164.4
19.....	825 8	797.5	776.6	763.1	766.7	776.1	800.	833.	857.	879.6	880.	874.	819.1	172.4
20.....	856.9	843.2	827.1	812.4	800.	803.	811.	836.8	843.	857.1	846.5	809.9	828.9	184.9
21.....	775.	740.3	711.2	698.6	689.6	696.8	718.	730.6	756.5	780.9	790.	780.2	739.	172.
22.....	758.5	744.1	731.5	708.8	713.	718.4	733.8	754.	773.1	799.	806.2	794.3	752.9	169.7
23.....	781.6	777.7	765.	747.6	750.	761.3	781.4	802.9	820.4	854.2	873.7	862.7	798.2	170.5
25.....	828.4	779.5	767.8	757.	754.5	755.7	764.	778.	787.3	797.6	792.	776.7	778.2	180.2
26.....	757.4	732.8	727.1	706.3	708.7	717.4	737.	775.	798.3	828.2	837.1	824.2	762.5	169.8
27.....	811.7	781.1	765.3	750.6	755.2	766.5	794.3	823.3	860.	.....	.....	.....	789.8	170.1
28.....	.....	862.6	842.1	852.7	854.2	860.	875.3	874.9	959.5	950.2	939.2	911.7	889.3	213.
29.....	891.4	876.	860.8	868 6	860.1	860.8	870.	890.8	911.1	942.	949.7	939.1	893.4	217.1
30.....	913.9	883.	828.5	832.7	878.5	897.4	937.4	949.8	952.3	966.	972.	960.5	914.3	208.3
Means.....	808.2	790.5	773.	761.1	759.3	765.2	779.7	794.2	813.9	828.	826.	819.2	792.9	
Reduced to 32° F.	200.7	199.2	191.2	184.7	178.8	169.9	160.	155.7	156.5	169.2	186.1	191.5		178.4

Göttingen time / Observatory time	h. m. 5 58 / 0 17½	h. m. 7 58 / 2 17½	h. m. 9 58 / 4 17½	h. m. 11 58 / 6 17½	h. m. 13 58 / 8 17½	h. m. 15 58 / 10 17½	h. m. 17 58 / 12 17½	h. m. 19 58 / 14 17½	h. m. 21 58 / 16 17½	h. m. 23 58 / 18 17½	h. m. 1 58 / 20 17½	h. m. 3 58 / 22 17½	Means.
July 1	80.	78.5	77.3	77.5	79.2	80.9	84.3	87.	89.	89.1	....	85.	82.5
2	83.5	82.3	81.	80.3	80.6	82.	83.	84.5	83.2	81.9	80.5	79.3	81.8
4	78.6	77.2	76.4	75.8	76.1	77.3	....	80.6	81.9	81.5	80.8	80.	78.8
5	79.	78.3	77.6	77.	77.2	77.6	79.	80.5	81.2	81.	80.	79.2	79.
6	78.	76.4	76.	75.7	75.8	76.	75.2	76.	76.8	76.9	76.	75.	76.1
7	74.2	73.7	72.5	70.2	70.5	70.5	72.1	74.4	77.	76.7	75.5	74.	73.4
8	72.8	72.1	71.7	71.8	72.	73.	74.6	76.	78.	78.5	77.	77.8	74.6
9	77.3	77.1	76.8	....	76.7	76.8	78.3	79.	78.7	77.8	77.3	77.	77.5
11	72.5	71.9	71.	71.2	71.7	73.	75.4	76.3	77.2	77.6	75.9	74.2	74.
12	72.8	72.3	71.8	71.2	71.	71.8	74.	75.7	78.	79.6	78.2	76.8	74.4
13	76.	74.7	73.8	73.	73.5	75.8	79.	80.	81.8	83.1	82.4	81.2	77.9
14	79.8	78.2	77.3	77.6	78.5	80.	81.7	83.2	83.5	83.	82.5	81.	80.5
15	79.	75.8	75.	74.5	74.	73.6	73.	72.5	72.	71.	70.5	70.3	73.4
16	69.8	68.4	68.9	68.3	68.2	68.	68.	68.	68.1	68.5	68.8	69.1	68.5
18	75.8	74.1	73.5	73.3	74.2	76.	78.5	80.4	82.	84.	83.2	81.8	78.1
19	78.3	77.1	76.4	76.1	76.3	77.3	80.3	82.1	84.3	84.8	83.5	82.8	79.9
20	81.	79.5	78.	77.4	77.4	78.1	80.7	82.	82.3	82.5	80.	77.2	79.7
21	74.5	72.4	70.4	70.	70.	71.8	73.7	76.	77.3	78.2	77.4	76.	74.
22	74.5	73.5	72.	72.4	71.5	73.	75.	76.6	78.7	79.7	78.7	77.1	75.2
23	76.1	74.8	74.6	74.2	74.6	76.6	78.7	80.1	82.8	83.8	83.2	82.	78.5
25	77.9	75.3	75.	74.8	74.3	75.4	76.7	77.4	78.3	78.	77.	75.2	76.3
26	73.4	72.	71.3	70.5	71.5	73.8	76.4	78.7	81.	82.	80.5	79.4	75.9
27	78.	75.6	74.4	74.5	75.3	77.3	80.1	82.1	84.3	....	....	....	77.9
28	....	80.	79.3	79.	79.	80.	82.	84.2	87.7	85.7	84.3	82.	82.1
29	80.7	80.	79.8	79.3	78.8	79.5	81.4	83.	85.8	86.8	85.7	84.4	82.1
30	81.	80.8	81.5	83.3	81.2	83.6	85.6	86.	87.5	88.1	86.8	85.8	84.3
Means	77.	75.8	75.1	74.7	75.	76.1	77.9	79.3	80.7	80.8	79.4	78.5	77.5

Degrees Fahrenheit.

Göttingen time.. Observatory time.	h. m. 6 02 0 21½	h. m. 8 02 2 21½	h. m. 10 02 4 21½	h. m. 12 02 6 21½	h. m. 14 02 8 21½	h. m. 16 02 10 21½	h. m. 18 02 12 21½	h. m. 20 02 14 21½	h. m. 22 02 16 21½	h. m. 0 02 18 21½	h. m. 2 02 20 21½	h. m. 4 02 22 21½	Means.	Reduced to 32° F.
July 1.....	719.7	700.6	695.9	697.1	699.6	699.1	704.	688.6	690.	707.5	.....	705.8	700.7	570.4
2.....	563.4	717.1	741.7	766.	721.2	736.8	772.3	657.7	656.9	724.	754.2	750.3	713.5	585.8
4.....	.....	827.7	718.4	781.1	754.4	832.9	.....	761.3	731.	732.5	739.9	743.8	762.3	643.7
5.....	747.4	741.7	733.6	722.3	740.6	749.	742.	729.4	716.	722.7	726.2	744.9	734.6	613.7
6.....	728.5	712.6	707.8	699.3	727.8	747.	711.1	692.1	675.	702.6	742.6	718.	713.7	601.1
7.....	710.3	704.4	699.1	688.	696.3	718.2	716.6	706.7	696.2	697.5	705.1	698.5	703.1	598.3
8.....	691.5	689.6	684.4	680.7	695.1	722.8	719.7	709.	681.6	701.5	709.7	727.	701.	592.1
9.....	726.9	680.	666.	.....	714.2	727.1	728.8	736.3	713.	708.1	701.7	733.3	712.3	595.6
11.....	687.8	673.3	680.3	701.9	713.9	734.4	730.	698.6	680.9	691.8	711.2	704.4	700.7	597.
12.....	686.3	691.8	687.4	691.8	704.6	715.1	725.3	708.5	675.3	698.6	718.3	720.7	702.	593.3
13.....	701.5	697.6	679.4	687.6	703.4	739.7	710.3	692.2	700.	726.2	722.2	728.3	707.4	588.8
14.....	717.8	713.7	704.7	681.4	709.	739.8	728.7	711.4	703.	721.7	717.5	728.2	714.7	589.1
15.....	721.7	706.2	702.8	694.4	703.9	722.3	702.	667.4	663.2	684.	678.3	670.9	693.1	588.1
16.....	691.3	676.4	671.5	667.1	687.	696.	669.7	662.2	666.	675.	677.1	678.1	676.4	583.5
18.....	706.	691.7	681.7	688.7	690.8	697.4	702.4	695.3	696.7	714.	708.9	745.2	701.6	582.3
19.....	717.7	713.2	702.2	689.9	707.	714.9	714.6	701.7	722.	726.5	717.2	710.2	711.4	587.6
20.....	713.4	713.5	711.2	707.9	728.4	724.	696.	693.6	723.5	728.7	722.2	713.	714.6	592.4
21.....	697.2	692.7	681.7	672.6	693.	707.6	706.9	685.2	688.3	707.1	703.7	701.5	694.8	588.2
22.....	690.6	685.5	681.	671.5	726.1	709.	706.4	687.7	695.5	712.7	698.5	694.1	696.5	585.7
23.....	691.5	713.1	702.8	691.2	724.2	725.4	726.5	709.3	710.	740.2	732.	745.	717.6	597.7
25.....	736.	710.6	706.5	696.	714.3	733.1	739.7	709.3	694.7	697.3	706.4	707.5	712.6	599.8
26.....	701.1	694.6	690.9	681.9	693.	734.7	720.1	699.4	699.2	713 7	719.6	715.9	705.3	592.7
27.....	714.3	702.8	694.6	696.5	707.4	713.	726.5	721.	712.	724.5	725.5	721.	713.2	591.5
28.....	716.5	702.2	701.	704.9	728.7	723.3	712.7	705.6	716.7	720.5	741.5	725.3	716.6	589.7
29.....	712.5	717.	698.4	701.3	704.2	722.7	724.3	732.7	745.2	724.7	743.5	739.	722.1	593.7
30.....	728.9	719.8	714.8	713.8	729.2	745.8	723.2	741.	736.8	743.	725.5	740.	730.1	597.
Means.....	704.8	707.3	697.7	699.	712.2	728.1	718.4	704.	699.6	713.3	717.9	719.6	710.2	
Reduced to 32° F.	588.8	595.	589.5	590.6	602.2	616.3	601.7	583.4	574.8	587.2	594.7	599.7		593.6

Göttingen time / Observatory time	h. m. 6 02 / 0 21½	h. m. 8 02 / 2 21½	h. m. 10 02 / 4 21½	h. m. 12 02 / 6 21½	h. m. 14 02 / 8 21½	h. m. 16 02 / 10 21½	h. m. 18 02 / 12 21½	h. m. 20 02 / 14 21½	h. m. 22 02 / 16 21½	h. m. 0 02 / 18 21½	h. m. 2 02 / 20 21½	h. m. 4 02 / 22 21½	Means.
July 1	79.5	78.2	76.7	77.5	78.9	80.9	83.7	86.5	88.3	88.6	....	84.8	82.1
2	83.	81.7	80.3	79.7	80.	....	82.	83.3	82.5	81.3	80.	78.7	81.1
4	78.2	76.5	75.9	75.1	75.3	71.5	....	79.3	80.5	81.	80.5	79.5	77.6
5	78.6	77.7	77.	76.3	....	77.	78.	79.1	80.1	80.7	79.5	78.7	78.5
6	77.4	75.2	75.	74.8	75.2	75.	74.8	75.	75.8	76.	75.6	74.3	75.3
7	73.2	72.8	71.8	70.5	69.5	69.2	70.6	72.	74.3	75.5	75.	73.4	72.3
8	72.1	71.2	71.1	71.	71.4	72.	73.7	74.3	76.6	78.3	78.	77.5	73.9
9	77.2	76.8	76.	....	76.3	76.2	77.1	77.9	78.	77.2	77.	76.5	76.9
11	71.8	70.9	53.3	69.7	71.3	72.5	74.5	75.8	76.8	77.	75.7	73.5	71.9
12	72.3	71.6	70.7	70.	70.	71.	73.2	74.8	77.5	79.6	78.7	76.4	73.8
13	75.7	74.	73.1	72.2	73.2	75.6	....	80.	82.	84.1	83.	81.	77.6
14	79.2	77.8	76.7	77.	78.6	79.8	81.5	83.2	83.5	83.	82.2	80.7	80.3
15	78.2	74.9	74.2	73.5	73.8	72.2	71.6	71.1	70.7	70.1	69.8	69.2	72.4
16	68.8	68.3	67.5	67.3	67.3	67.	67.	67.4	67.7	68.	68.3	68.5	67.8
18	75.8	73.8	73.3	72.6	73.9	75.6	78.	80.4	83.3	84.1	83.6	81.2	77.9
19	78.4	76.4	75.6	74.8	75.6	76.8	80.	82.	84.5	84.8	83.8	82.5	79.6
20	81.2	79.5	77.2	76.4	76.7	77.4	79.3	80.7	81.9	82.	79.4	76.8	79.
21	73.3	71.	69.	68.7	69.6	71.	72.5	74.2	76.2	77.8	77.3	75.2	73.
22	73.8	72.5	71.3	70.3	71.6	72.8	74.5	76.1	78.3	78.8	79.	76.4	74.6
23	75.5	74.1	73.8	73.5	74.1	76.	78.	79.8	82.7	84.2	83.5	81.8	78.1
25	77.4	74.8	74.2	73.7	73.3	74.4	75.3	76.2	77.	77.5	76.2	74.3	75.4
26	72.5	71.	69.7	69.5	71.4	73.6	75.8	78.1	80.5	82.	80.7	79.	75.3
27	77.3	74.7	73.6	73.7	75.3	77.	79.8	81.9	84.2	83.5	82.8	81.8	78.8
28	80.5	79.	78.4	78.2	77.8	79.3	81.	82.5	84.	84.5	83.5	80.8	80.8
29	79.8	79.5	79.	78.6	78.	78.4	80.4	82.3	85.5	86.5	85.6	83.5	81.4
30	82.	80.	79.	78.7	80.5	82.1	84.	85.	87.	87.7	86.8	85.3	83.2
Means	76.6	75.2	73.6	73.7	74.3	75.	76.9	78.4	80.	80.5	79.4	78.1	76.8

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time..... Observatory time.....	h. m. 13 54 8 13½	h. m. 14 00 8 19½	h. m. 14 06 8 25½	h. m. 13 52 8 11½	h. m. 13 58 8 17½	h. m. 14 04 8 23½	Temperature Fahrenheit.	h. m. 13 56 8 15½	h. m. 14 02 8 21½	h. m. 14 08 8 27½	Temperature Fahrenheit.
July 1.....	576.8	577.2	577.2	803.	803.8	804.7	79.2	699.9	699.6	700.2	78.9
2.....	593.6	593.7	598.2	841.9	841.5	841.6	80.6	730.8	721.2	718.5	80.
4.....	565.7	569.5	577.5	792.	788.8	790.1	76.1	847.	854.4	815.	75.3
5.....	576.1	577.2	575.3	781.	780.1	780.	77.2	739.	740.6	742.4	....
6.....	572.2	572.4	570.2	760.4	761.	760.8	75.8	723.7	727.8	728.3	75.2
7.....	572.4	571.2	572.8	704.4	703.5	703.5	70.5	697.	696.5	697.7	69.5
8.....	577.	577.	576.9	705.6	706.	705.	72.	693.	695.1	696.6	71.4
9.....	564.7	565.	564.4	775.	774.	774.	76.7	712.	714.2	718.2	76.3
11.....	575.	575.6	575.	699.3	698.5	698.1	71.7	708.9	713.9	712.5	71.3
12.....	575.5	575.6	575.	697.	696.9	696.6	71.	703.9	704.6	703.	70.
13.....	574.8	574.5	574.2	722.4	723.1	723.7	73.5	700.6	703.4	706.2	73.2
14.....	574.1	574.3	573.3	791.8	791.9	793.2	78.5	707.	709.	712.4	78.6
15.....	576.2	576.6	576.9	748.7	748.2	747.8	74.	703.1	703.9	703.3	73.8
16.....	573.5	573.5	573.6	664.	663.	662.9	68.2	684.1	687.	688.6	67.3
18.....	575.9	575.8	575.	731.	731.7	731.7	74.2	690.7	690.8	687.4	73.9
19.....	569.3	568.2	569.7	765.	766.7	767.	76.3	705.4	707.	706.9	75.6
20.....	573.1	572.5	571.5	801.7	800.	800.1	77.4	723.4	728.4	725.	76.7
21.....	575.9	576.3	576.9	689.4	689.6	690.	70.	692.7	693.	693.7	69.6
22.....	577.6	577.	575.9	713.	713.	712.5	71.5	722.2	726.1	724.9	71.6
23.....	575.2	576.9	578.6	750.1	750.	749.4	74.6	722.5	724.2	722.5	74.1
25.....	582.4	583.8	581.6	754.	754.5	754.1	74.3	714.2	714.3	717.3	73.3
26.....	582.3	581.2	581.9	708.3	708.7	708.8	71.5	693.6	693.	696.	71.4
27.....	582.4	582.1	582.4	755.	755.1	756.5	75.3	706.1	707.4	710.	75.3
28.....	578.9	578.3	577.7	853.9	854.2	852.6	79.	726.9	728.7	733.	77.8
29.....	588.7	589.	590.3	861.	860.1	860.	78.8	700.2	704.2	710.2	78.
30.....	579.5	580.1	580.2	877.9	878.5	877.9	81.2	727.5	729.2	732.1	80.5

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
Aug. 1	593.5	572.7	568.7	574.7	577.5	566.2	556.9	552.9	561.8	561.	556.9	561.7	567.
2	565.4	566.7	570.2	575.3	575.4	562.	556.4	559.8	563.	563.2	565.5	565.9	565.7
3	566.1	567.4	569.	573.5	577.	558.7	552.	555.5	564.	566.	563.	567.	564.9
4	564.2	566.2	568.	573.9	572.4	560.9	554.3	553.	558.2	561.	589.7	567.5	565.8
5	567.7	571.7	574.	580.	576.9	565.	556.	557.	562.8	567.	566.	580.	568.7
6	586.7	574 6	571.5	577.	576.6	565.6	551.7	556.3	561.5	566.	564.1	565.6	568.9
8	566.	566.4	576.	570.5	572.7	560.7	551.	553.	562.	571.7	567.7	565.1	565.2
9	.....	560.1	571.	576.	578.8	561.5	554.1	558.1	563.1	563.5	563.	561.8	564.6
10	566.5	563.8	566.3	572.8	572.	557.1	556.	554.	557.1	568.8	562.8	562.9	563.3
11	571.3	566.6	571.	564.	569.	557.2	548.	546.	548.8	554.9	557.	560.8	559.6
12	560.7	563.2	541.6	574.4	565.7	553.1	548.1	548.	557.5	556.	559.	560.7	557.3
13	560.	557.1	561.6	567.7	570.5	556.9	548.5	546.9	554.1	554.9	576.9	560.8	559.7
15	554.	551.	554.9	556.7	555.5	542.5	535.	536.	545.9	550.	548.8	552.	548.5
16	553.5	549.	554.	558.	562.	550.	540.1	540.8	545.8	550.1	559.2	554.4	551.4
17	558.3	556.7	560.7	568.	566.5	554.9	542.8	544.	548.2	555.	555.6	561.8	556.
18	564.7	553.4	563.	565.	564.5	550.	538.	542.	550.5	561.2	556.	563.4	556.
19	566.1	564.3	567.5	566.	560.7	540.9	532 9	539.	565.	558.2	558.6	558.1	556.4
20	562 2	562.	563.1	567.5	562.6	548.4	543.1	547.4	551.9	557.	570.3	562.	558.1
22	553.	554.2	557.9	.....	567.6	545.7	531.5	558.	561.	563.	578.8	569.4	558.2
23	560.7	566.9	565.8	580.2	581.5	566.8	549.3	549.1	565.	567.	564.9	566.8	565.3
24	566.4	566.8	569.	577.7	574.5	558.3	548.3	555.	562.8	564.9	572.2	565.	565.1
25	562.2	560.1	570.	571.9	576.5	560.2	554.6	555.8	562.1	567.	568.	569.	564.8
26	566.9	563.8	.....	575.5	577.2	.....	550.7	553.1	558.7	577.1	570.2	569.9	566.3
27	566.1	565.6	567.2	573.1	579.	565.	549.6	551.	561.8	564.	565.2	566.3	564.5
29	567.6	566.9	570.	577.7	576.7	561.	555.	559.5	564.3	564.	565.	566.3	566.2
30	567.5	571.	571.7	573.2	574.1	561.7	555.3	557.1	564.	563.	563.	566.6	565.7
31	564.	567.7	572.7	574.2	573.7	559.	551 4	555.7	562.1	563.5	563.9	563.9	564 3
Means	565.4	563.6	566.	571.7	571.7	557.3	548.5	551.2	558.6	562.2	564.9	564.2	562.1

Göttingen time.. Observatory time.	h. m. 5 58 0 17½	h. m. 7 58 2 17½	h. m. 9 58 4 17½	h. m. 11 58 6 17½	h. m. 13 58 8 17½	h. m. 15 58 10 17½	h. m. 17 58 12 17½	h. m. 19 58 14 17½	h. m. 21 58 16 17½	h. m. 23 58 18 17½	h. m. 1 58 20 17½	h. m. 3 58 22 17½	Means.	Reduced to 32° F.
Aug. 1	795.3	774.9	718.9	724.7	703.1	698.	704.	712.5	722.2	730.	730.7	713.1	727.3	217.
2	703.5	687.3	671.2	654.4	647.3	656.7	676.1	695.	713.	737.5	745.2	734.3	693.5	203.5
3	725.3	713.9	688.5	682.5	679.7	691 4	712.	731.5	782.	797.7	.....	760.6	724.1	204.4
4	758.	746.7	735.	720.3	708.	708.7	713.7	715.	723.	727.4	718.7	713.1	723.9	208.2
5	705.3	699.2	680.	666.2	649.7	644.	657.8	673.7	676.1	684.4	684.9	688.5	675.8	208.7
6	699.4	707.4	680.	672.2	669.5	676.	706.2	731.8	773.	782.	778.4	769.5	720.5	196.7
8	764.7	760.3	760.	757.	755.	762.	771.3	763.3	909.	864.	839.7	823.1	794.1	197.4
9	.....	809.4	799.	787.5	781.1	783.1	794.5	807.8	818.	819.5	824.	818.3	803.8	201.7
10	812.4	801.	790.8	782.6	777.2	775.	781.5	804.	806.	807.3	801.1	793.6	794.4	204.5
11	793.4	786.4	774.5	769.	764.	763.	772.7	.....	814.6	829.	829.6	819.8	792.2	202.3
12	802.	789.4	792.4	797.	787.	782.6	783.8	797.4	809.3	821.	813.4	800.8	798.	214.8
13	792.1	789.8	782.5	780.	771.2	767.4	772.1	791.	804.5	808.7	813.7	807.3	790.	224.3
15	828.4	814.1	802.5	790.2	781.5	779.9	790.1	818.	845.	871.2	883.1	872.	823.	220.9
16	856.9	845.2	831.7	812.	798.4	804.	822.9	837.4	855.	868.2	870.	847.9	837.5	227.3
17	829.3	825.7	822.2	807.2	807.5	806.8	815.	823.1	835.3	850.	847.1	844.8	826.2	210.6
18	832.5	828.1	823.	812.2	812.6	819.	828.	847.8	867.	884.1	884.2	873.7	842.7	186.6
19	860.5	832.	815.7	798.7	807.5	807.	822.9	828.8	830.7	848.5	855.9	840.1	829.	177.
20	820.7	801.1	780.4	768.3	758.4	766.	774.9	787.6	798.	807.4	812.6	781.2	788.	172.4
22	788.4	777.7	766.	.....	743.9	747.1	756.5	782.3	797.5	806.4	800.9	785.4	777.4	172.6
23	776.1	761.4	755.	744.9	736.2	738.1	751.5	767.1	781.	790.	784.7	768.2	762.9	186.5
24	752.3	743.2	746.6	733.	727.	727.6	731.8	738.7	754.4	761.	703.4	760.2	740.	182.5
25	762.7	762.7	754.6	745.	747.8	762.1	781.6	803.8	809.8	817.1	816.2	815.1	781.5	157.8
26	810.5	798.1	.....	789.5	784.	.....	808.	825.	835.	850.9	851.2	845.8	819.8	154.3
27	824.5	800.2	787.6	782.4	778.8	788.6	805 8	796.2	844.7	856.	851.2	837.5	812.8	150.
29	789.2	779.5	776.1	765.2	762.2	774.8	782.5	798.4	822.3	850.4	845.9	827.4	797.4	148.1
30	802.6	777.8	755.1	748.7	738.1	727.5	724.	739.	758.6	773.1	770.	764.2	756.6	158.6
31	745.8	716.1	702.4	690.	691.8	699.	706.	650.	768.1	775.5	766.4	757.	722.3	163.4
Means	785.8	775.1	761.	753.1	747.	748.3	761.	771.8	798.2	808.1	804.7	794.9	775.9	
Reduced to 32° F.	205.3	205.4	206.2	205.	197.6	182.6	169.7	158.9	171.8	174.4	194.5	195.5		190.

Göttingen time / Observatory time	h. m. 5 58 / 0 17½	h. m. 7 58 / 2 17½	h. m. 9 58 / 4 17½	h. m. 11 58 / 6 17½	h. m. 13 58 / 8 17½	h. m. 15 58 / 10 17½	h. m. 17 58 / 12 17½	h. m. 19 58 / 14 17½	h. m. 21 58 / 16 17½	h. m. 23 58 / 18 17½	h. m. 1 58 / 20 17½	h. m. 3 58 / 22 17½	Means.
Aug. 1	73.3	71.7	69.7	68.6	67.2	67.6	69.1	70.1	70.9	70.8	70.	69.	69.8
2	67.9	66.8	65.2	64.2	64.5	66.	68.2	70.	71.7	72.8	71.6	70.9	68.3
3	69.7	68.8	67.2	67.1	67.3	68.4	71.5	....	76.	76.	....	73.	70.5
4	72.4	71.5	70.2	69.2	68.8	68.8	69.8	70.5	70.8	70.5	70.	69.9	70.2
5	68.6	67.	65.9	64.9	64.4	64.5	66.8	67.	67.5	68.2	68.	....	66.6
6	67.3	67.	66.5	65.9	66.2	....	71.8	74.5	76.5	75.	74.	73.5	70.8
8	73.3	73.2	73.7	72.3	72.6	73.8	76.	78.5	83.9	80.	77.5	77.3	76.2
9	....	76.	75.2	74.5	75.	75.6	77.8	77.8	78.	78.4	77.8	77.2	76.6
10	76.4	75.7	74.7	74.2	73.8	74.2	76.8	77.5	77.2	76.8	75.9	75.4	75.7
11	74.8	74.3	73.7	73.1	73.3	74.	76.2	....	79.1	79.5	78.5	76.6	75.7
12	75.7	75.2	74.5	74.	73.8	74.1	75.2	76.8	77.	76.5	75.	74.6	75.2
13	74.1	73.7	73.	72.2	72.	72.	74.	75.	75.5	75.5	75.	75.	73.9
15	75.8	75.	73.8	73.	72.9	74.2	76.6	78.5	80.1	81.	80.	78.6	76.6
16	77.7	76.8	75.	74.	73.7	75.3	77.4	78.9	80.1	80.1	79.	78.	77.2
17	77.6	76.7	75.8	75.5	75.4	76.	77.3	78.5	80.	80.	79.4	78.9	77.6
18	78.3	78.	77.5	77.3	77.9	78.8	81.	83.	84.8	84.8	83.4	82.3	80.6
19	80.7	79.	77.9	77.5	78.2	79.3	81.1	82.	83.5	83.5	82.	79.2	80.3
20	77.8	77.1	76.6	75.	75.2	76.4	78.	79.5	80.2	80.4	79.1	76.	77.6
22	77.	76.	74.6	....	73.8	75.2	77.1	78.7	79.8	78.8	77.2	76.9	76.8
23	74.7	73.8	72.5	71.9	72.	73.7	75.8	77.5	78.5	77.2	75.5	73.7	74.7
24	72.8	72.1	71.6	70.1	71.	71.9	76.1	74.8	75.	75.	75.	75.	73.3
25	74.9	75.	75.	75.	76.2	78.1	80.4	81.3	81.5	81.3	80.5	79.9	78.2
26	79.4	79.	....	78.	78.1	80.	82.4	83.	84.5	84.2	83.5	82.3	81.3
27	80.2	78.6	78.	78.2	78.7	80.	82.1	84.8	84.9	84.2	82.	81.8	81.1
29	78.7	78.2	77.7	77.2	77.2	78.	80.2	82.	84.	84.1	83.	80.7	80.1
30	77.8	75.5	75.	74.4	73.8	73.3	75.6	77.4	79.1	79.2	77.6	76.4	76.3
31	73.8	71.7	70.	69.4	70.5	71.9	74.	....	78.	77.2	76.3	74.8	73.4
Means	75.	74.2	73.1	72.6	72.7	73.9	75.8	77.4	78.4	78.2	77.2	76.4	75.4

Degrees Fahrenheit.

Göttingen time.. Observatory time.	h. m. 6 02 0 21½	h. m. 8 02 2 21½	h. m. 10 02 4 21½	h. m. 12 02 6 21½	h. m. 14 02 8 21½	h. m. 16 02 10 21½	h. m. 18 02 12 21½	h. m. 20 02 14 21½	h. m. 22 02 16 21½	h. m. 0 02 18 21½	h. m. 2 02 20 21½	h. m. 4 02 22 21½	Means.	Reduced to 32° F.
Aug. 1.....	738.7	689.5	696.2	716.5	704.1	704.8	687.9	676.7	676.2	681.	685.4	703.1	696.7	602.6
2.....	686.5	685.2	674.9	667.3	695.4	723.	700.	697.8	697.2	701.	708.9	703.4	695.	603.
3.....	702.2	697.6	695.8	684.	710.5	725.5	713.2	692.1	699.7	708.7	709.	708.	703.9	604.6
4.....	702.	701.	694.6	684.	717.9	726.7	688.	672.7	668.	652.	708.	701.2	693.	595.5
5.....	702.3	684.2	698.2	686.	714.7	708.7	707.7	687.5	688.8	672.7	703.1	696.7	695.9	607.5
6.....	703.2	672.6	694.3	684.7	695 6	723.	700.	691.9	702.	727.	710.	708.5	701.1	602.
8.....	712.1	707.	714.5	714.5	738.1	736.5	726.7	705.	694.7	741.2	749.6	732.9	722.7	610.9
9.....	.....	716.2	716.7	716.2	730.7	741.3	726.	720.2	717.1	729.6	717.	714.9	722.3	607.4
10.....	713.3	712.5	715.3	710.2	722.	725.5	709.5	708.9	717.7	736.	725.2	722.4	718.2	606.4
11.....	723.8	710.4	710.7	708.	719.5	724.	727.7	717.7	717.3	732.	724.8	719.7	719.6	607.3
12.....	713.7	695.9	714.	685.1	712.8	725.	725.1	717.9	728.6	714.2	713.1	707.9	712.8	602.6
13.....	703.	702.6	700.	697.3	710.2	720.2	704.5	707.3	696.	700.4	718.7	717.3	706.5	599.1
15.....	716.9	703.4	705.	704.5	726.5	736.5	719.6	700.4	712.4	717.2	725.	721.3	715.7	601.
16.....	716.1	714.4	706.7	701.6	722.9	716.	699.2	695.4	710.5	712.	708.9	721.3	710.4	594.4
17.....	723.2	712.1	705.	711.	725.9	742.3	730.5	712.8	705.7	712.	708.8	702.8	716.	598.7
18.....	742.3	722.4	710.7	720.2	734.	740.4	720.2	707.2	704.1	739.7	725.	717.9	723.7	598.9
19.....	732.1	713.6	721.1	699.	763.2	773.1	728.6	700.2	699.8	752.8	713.1	720.8	726.4	602.4
20.....	717.4	724.8	718.5	707.5	730.5	722.8	716.9	700.1	736.6	717.7	712.6	723.3	719.1	602.6
22.....	711.6	705.2	704.7	695.1	705.	731.3	719.	743.1	738.2	751.2	759.3	734.7	724.9	611.3
23.....	710.7	734.6	731.9	726.1	734.5	760.1	765.8	732.8	714.	729.6	736.3	727.1	733.6	624.4
24.....	718.1	715.	710.7	704.7	744.	728.4	714.	706.2	711.6	724.5	734.5	736.4	720.7	615.4
25.....	730.2	730.3	730.1	736.	736.4	775.7	745.	745.9	738.6	750.	756.7	751.5	743.9	624.3
26.....	739.5	741.2	.....	726.5	755.4	764.8	728.7	738.7	733.5	743.9	769.1	750.	744.7	617.8
27.....	737.5	727.5	728.6	737.5	757.8	767.7	749.	721.2	720.4	756.1	752.5	742.5	741.5	615.9
29.....	741.5	731.	725.3	717.2	740.4	771.6	736.7	713.8	731.	736.9	736.6	732.8	734.6	611.4
30.....	724.6	720.	717.1	713.	726.6	740.2	730.4	724.4	727.8	735.5	731.	727.5	726.5	613.1
31.....	723.9	713.7	.....	.....	729.	735.9	726.9	713.2	725.3	727.7	725.4	722.1	724.3	616.1
Means.....	718.7	710.5	709.6	705.9	726.1	736.7	720.2	709.3	711.6	722.3	724.7	721.	718.1	
Reduced to 32° F.	608.5	603.1	604.3	601.6	621.3	630.1	608.9	593.9	593.6	603.2	608.5	608.4		607.1

Göttingen time / Observatory time	h. m. 6 02 / 0 21½	h. m. 8 02 / 2 21½	h. m. 10 02 / 4 21½	h. m. 12 02 / 6 21½	h. m. 14 02 / 8 21½	h. m. 16 02 / 10 21½	h. m. 18 02 / 12 21½	h. m. 20 02 / 14 21½	h. m. 22 02 / 16 21½	h. m. 0 02 / 18 21½	h. m. 2 02 / 20 21½	h. m. 4 02 / 22 21½	Means.
Aug. 1	71.4	69.6	68.3	65.8	66.	66.	67.	68.2	69.1	69.8	69.7	68.	68.2
2	66.7	65.2	63.8	63.	64.2	65.2	67.	68.9	70.9	72.8	71.	70.3	67.4
3	69.1	67.8	66.4	65.8	66.9	68.3	70.5	....	75.	75.5	74.3	72.7	70.2
4	71.9	70.8	69.5	68.2	68.	68.	69.2	70.	70.2	70.	69.5	69.	69.5
5	68.6	66.2	64.9	63.9	63.	63.2	65.8	66.8	67.	67.9	67.9	67.4	66.
6	67.	66.4	66.	65.5	65.8	68.4	71.2	73.3	75.	74.7	74.	73.4	70.1
8	73.2	72.8	72.3	72.	71.9	73.	75.	76.9	78.8	78.8	78.	76.9	75.
9	....	75.2	74.9	74.1	74.4	75.	76.9	77.2	77.4	78.2	77.8	76.8	76.2
10	76.	75.	74.3	73.6	73.1	73.2	75.	76.5	76.4	76.	75.7	75.	75.
11	74.3	73.7	73.	72.8	72.6	73.	75.	76.8	78.8	78.9	78.	75.4	75.2
12	75.	74.3	74.	73.4	73.	73.1	74.1	75.5	76.2	76.	74.2	73.8	74.4
13	73.3	72.8	72.4	71.7	71.3	71.2	73.2	74.3	75.	75.	74.9	74.5	73.3
15	77.1	74.3	73.4	72.3	72.7	73.5	75.3	77.4	79.3	80.7	79.7	78.	76.1
16	77.	75.8	74.2	73.4	73.	75.1	76.8	78.3	79.8	80.	78.8	77.4	76.6
17	76.4	75.8	75.3	74.9	74.8	75.5	77.1	78.4	79.6	80.	79.3	78.5	77.1
18	78.	77.5	77.2	76.9	77.2	78.3	80.2	82.3	83.8	84.5	83.	81.7	80.
19	79.8	78.2	77.3	77.2	78.9	79.	80.5	81.6	82.5	83.	81.1	77.9	79.7
20	76.4	75.9	75.	74.2	75.2	75.7	77.2	78.7	79.8	80.	78.3	75.	76.8
22	76.1	75.2	73.7	72.8	74.	74.6	76.1	77.8	78.6	78.	76.5	75.	75.7
23	73.6	72.6	71.5	71.4	72.5	73.5	75.1	76.5	77.	76.5	74.9	72.5	74.
24	71.9	71.3	70.7	70.5	70.1	71.	72.2	73.7	74.7	75.	74.8	74.7	72.5
25	74.6	74.9	75.	75.1	76.3	77.5	79.6	80.5	81.	81.3	80.2	79.4	78.
26	78.9	78.1	....	77.6	77.7	79.5	81.4	82.4	83.7	84.3	83.3	81.9	80.8
27	79.	77.2	77.5	77.2	78.2	79.3	81.1	83.	84.1	84.	82.4	80.8	80.3
29	78.	77.5	77.	76.7	77.2	77.5	79.6	81.3	82.9	83.7	82.	79.5	79.4
30	77.8	76.2	75.	73.7	74.5	72.8	74.4	75.8	77.	78.	76.9	75.	75.6
31	72.3	70.1	....	....	70.7	71.4	73.	75.2	77.2	77.	76.	73.7	73.6
Means	74.4	73.3	72.5	72.1	72.3	73.	74.8	76.4	77.4	77.8	76.7	75.3	74.7

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Gottingen time.....	h. m. 13 54	h. m. 14 00	h. m. 14 06	h. m. 13 52	h. m. 13 58	h. m. 14 04	Temperature Fahrenheit.	h. m. 13 56	h. m. 14 02	h. m. 14 08	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 11½	8 17½	8 23½		8 15½	8 21½	8 27½	
Aug. 1.....	576.5	577.5	578.2	705.	703.1	703.6	67.2	704.8	704.1	708.4	66.
2.....	575.6	575.4	573.	647.8	647.3	647.5	64.5	694.5	695.4	697.9	64.2
3.....	577.6	577.	576.2	679.9	679.6	679.9	67.3	708.7	710.5	713.7	66.9
4.....	572.7	572.4	574.	708.6	708.	709.	68.8	717.2	717.9	724.	68.
5.....	579.7	576.9	577.2	651.	649.7	650.2	64.4	709.	714.7	715.7	63.
6.....	578.	576.6	576.	670.	669.5	669.6	66.2	694.7	695.6	698.7	65.8
8.....	572.3	572.7	571.8	755.	755.	755.	72.6	735.7	738.1	736.7	71.9
9.....	579.4	578.8	577.	781.1	781.1	781.4	75.	734.4	730.7	729.3	74.4
10.....	573.	572.	571.1	778.	777.2	776.5	73.8	720.	722.	724.7	73.1
11.....	570.	569.	567.2	764.	764.	763.1	73.3	724.	719.5	723.5	72.6
12.....	567.3	565.7	565.3	787.	786.9	786.8	73.8	707.9	712.8	716.2	73.
13.....	570.5	570.5	570.5	771.6	771.2	771.1	72.	706.	710.2	704.4	71.3
15.....	557.	555.5	554.7	782.	781.5	781.	72.9	724.	726.5	727.5	72.7
16.....	562.	562.	562.	799.2	798.4	798.	73.7	722.	722.9	723.2	73.
17.....	567.	566.5	566.	808.	807.5	807.	75.4	727.5	725.9	725.5	74.8
18.....	566.	564.5	564.7	813.	812.6	814.1	77.9	730.5	734.	733.1	77.2
19.....	563.5	560.7	563.3	801.2	807.5	800.1	78.2	760.1	763.2	776.1	78.9
20.....	563.	562.6	561.9	758.5	758.4	758.7	75.2	730.4	730.5	731.4	75.2
22.....	569.4	567.6	565.	744.7	743.9	743.7	73.8	699.9	705.	720.5	74.
23.....	581.7	581.5	580.8	735.9	736.2	736.4	72.	738.3	734.5	737.1	72.5
24.....	575.8	574.5	574.	728.1	727.	727.3	71.	739.	744.	735.4	70.1
25.....	577.5	576.5	575.8	746.4	747.8	747.7	76.2	736.7	736.4	740.	76.3
26.....	577.5	577.2	576.2	786.3	784.	783.5	78.1	752.5	755.4	758.4	77.7
27.....	579.6	579.	578.7	779.1	778.8	779.1	78.7	749.6	757.8	761 2	78.2
29.....	577.3	576.7	576 4	762.5	762.2	762.5	77.2	739.5	740.4	743.	77.2
30.....	574 4	574.1	570.6	738.1	738.1	738.2	73.8	721.7	726.6	731.	74.5
31.....	574.2	573.7	573.	688.6	691.8	691.5	70 5	725.1	729.	730.2	70.7

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
Sept. 1	565.5	565.6	571.1	573.7	571.7	557.1	549.	553.4	562.7	562.	563.3	565.1	563.8
2	568.4	568.4	.....	.....	576.3	558.	547.4	546.7	556.4	560.	564.2	561.8	560.8
3	551.4	561.4	573.8	578.8	573.1	562.6	553.	557.4	564.	563.8	572.	567.2	564.9
5	560.4	565.9	573.6	581.4	582.5	561.	545.2	552.	564.	565.7	562.9	562.1	564.7
6	565.2	563.6	566.7	572.8	571.7	560.	555.9	560.5	569.	574.	564.1	566.4	565.8
7	561.9	565.4	.....	577.7	576.9	562.	548.	551.9	561.6	564.	563.7	564.7	563.4
8	564.6	568.2	563.7	580.9	568.2	555.6	547.8	548.8	562.5	567.	567.6	563.8	563.2
9	564.7	566.2	568.2	574.5	577.8	564.7	549.1	550.	560.9	562.9	562.4	564.	563.8
10	562.1	564.4	572.9	580.5	572.6	558.	551.	550.5	556.9	560.7	559.5	570.	563.3
12	574.6	571.3	567.5	575.	575.5	566.1	557.8	559.1	560.5	562.2	564.	575.5	567.4
13	561.8	563.7	.....	572.7	568.9	554.7	555.	557.	566.5	569.8	572.	580.8	565.7
14	558.4	568.7	565.1	572.9	571.1	562.9	557.2	558.	563.8	564.	563.7	566.	564.3
15	565.8	555.9	573.1	574.2	571.	560.	555	556.3	563.	562.6	565.6	564.	563.9
16	568.3	565.8	570.7	573.	557.	558.	557.	558.	564.	563.	561.	567.1	563.6
17	572.2	580.4	576.3	577.1	571.9	563.	555.	558.	563.5	561.5	563.3	563.3	567.1
19	558.9	564.2	568.7	574.	576.4	563.	556.5	561.	555.2	566.2	571.5	*569.6	565.4
20	567.8	571.6	568.8	580.2	580.2	564.1	554.6	556.1	556.	566.	573.5	565.2	567.
21	567.6	569.1	572.7	572.2	575.	565.7	554.6	553.4	558.7	566.	576.4	566.2	566.5
22	569.7	566.3	573.9	577.4	578.5	570.7	559.5	553.5	558.6	565.2	583.7	568.8	568.8
23	566.6	573.7	567.5	588.7	589.6	576.6	567.5	566.9	572.7	580.	576.9	575.6	575.2
24	579.3	584.6	580.4	.....	590.1	581.6	571.1	570.4	575.	572.6	571.9	570.	577.
26	574.6	578.5	579.6	580.6	582.8	581.8	577.	573.6	576.1	572.	569.4	567.5	576.1
27	573.	581.2	580.2	582.5	585.3	579.3	572.5	573.7	576.	572.	570.5	568.5	576.2
28	570.1	568.8	567.7	567.7	571.5	567.	560.4	558.1	566.2	569.1	574.	568.2	567.4
29	579.7	581.8	562.6	581.4	579.4	574.5	576.	577.7	577.1	572.1	577.7	570.4	575.9
30	570.2	565.2	580.3	576.9	572.8	570.3	567.4	567.	565.2	565.2	577.2	571.5	570.8
Means	567.	569.2	571.6	576.9	576.1	565.3	558.2	558.8	564.5	566.3	568.9	567.5	567.4

* Two minutes late.

Göttingen time.. Observatory time.	h. m. 5 58 0 17½	h. m. 7 58 2 17½	h. m. 9 58 4 17½	h. m. 11 58 6 17½	h. m. 13 58 8 17½	h. m. 15 58 10 17½	h. m. 17 58 12 17½	h. m. 19 58 14 17½	h. m. 21 58 16 17½	h. m. 23 58 18 17½	h. m. 1 58 20 17½	h. m. 3 58 22 17½	Means.	Reduced to 32° F.
Sept. 1.....	740.6	726.6	700.9	702.3	696.4	699.3	706.	720.0	743.3	761.2	766.6	775.	728.2	151.8
2.....	780.1	787.5	.....	.....	757.2	759.7	775.1	.....	834.6	838.7	851.5	842.3	803.	186.1
3.....	839.7	824.9	801.9	756.6	774.7	782.5	791.6	.....	837.	837.	838.2	835.6	810.9	175.1
5.....	773.7	775.	766.6	565.6	763.7	768.	777.2	787.	795.6	804.	818.5	826.7	785.1	172.2
6.....	824.7	814.9	816.9	819.4	800.4	788.6	782.4	792.4	801.4	811.	813.1	806.6	806.	225.5
7.....	791.3	779.	.....	754 3	733.	760 7	776.	781.2	808.7	816.9	842.	835.	788.9	223.1
8.....	822.4	815.4	804.3	800.3	800.	802.	818.1	822.3	850.8	853.	845.9	839.7	822.8	247.7
9.....	839.	838.1	829.7	835.7	839 6	842.	851.5	867.	872.	880.	883.9	880.4	854.9	246.1
10.....	869.5	854.	842.3	827.1	.....	699.	695.3	698.2	704.9	709.3	710.2	706.8	756.1	205.3
12.....	770.	767.6	771.	768.	771.4	782.8	817.9	850.2	868.1	888.4	886 7	880.8	818.6	173.3
13.....	875.5	853.1	.....	823.	815.8	820.2	834.	848.1	846.5	835.	824.3	828.6	836.7	187.4
14.....	810.	775.1	760.5	750.2	745.5	740.1	735.7	728.5	722.	717.9	713.	708.3	742.2	214.4
15.....	709.1	702.1	691.6	682.1	682.1	681.	678.9	683.	691.6	696.6	698.3	696.	691.	195.6
16.....	695.	695.5	694.4	683.7	677.7	675.2	676.1	677.9	685.6	690.2	689.8	696.1	686.4	203.1
17.....	694.	681.8	676.9	664.5	652.8	653.	660.5	678.9	694.5	704.6	701.5	695.1	679.8	211.4
19.....	680.6	674.4	664.5	654.	648.	653.4	662.	700.2	761.	825.	865.7	*861.3	720.8	205.1
20.....	820.2	818.	828.4	825.9	818.7	810.5	791.2	768.7	748.	741.	739.8	713.	785.3	219.6
21.....	702.	746.	765.6	773.1	780.4	791 7	791.9	783.1	773.8	758.6	764.	804.9	769 6	197.2
22.....	836.	820.8	801.	803.2	797.2	789.7	781.	764.3	749.6	758.	751.5	740.8	782.7	215.7
23.....	740.1	767.7	783.8	755.	735.	752.	764.	.....	765.1	770.7	785.5	773.	762.9	205.4
24.....	766.	774.1	785.8	.....	748.	756.	789.3	803.1	804.3	798.	780.3	749.	777.6	198.4
26.....	780.6	787.9	795.7	788.6	771.5	783.	805 1	812.3	809.	810.1	797.7	770.9	792.7	205.5
27.....	747.	775.4	804.3	801.6	784.8	806.3	827.4	828.1	831.	839.	829.5	809.3	807.	202.2
28.....	785.	749.	718.8	686.	670.7	666.	685.3	712.7	735.6	759.7	770.6	762.8	725.2	209.5
29.....	765.5	748.3	797.1	835.2	837.6	842.2	838.2	839.	837.	832.	828.9	813.8	817.9	203.7
30.....	795.3	778.1	800.1	801.4	831.3	840.5	835.3	826.	819.	814.	806.8	787.7	811.3	213.3
Means.....	775.9	774.2	769.6	764.9	757.3	759.4	767.2	772.7	784.2	790.4	792.4	786.3	775.	
Reduced to 32° F.	215.7	212.7	217.4	220.9	209.2	197.8	188.	185.5	184.8	191.	205.2	216.6		204.

* Two minutes late.

Göttingen time / Observatory time	h. m. 5 58 / 0 17½	h. m. 7 58 / 2 17½	h. m. 9 58 / 4 17½	h. m. 11 58 / 6 17½	h. m. 13 58 / 8 17½	h. m. 15 58 / 10 17½	h. m. 17 58 / 12 17½	h. m. 19 58 / 14 17½	h. m. 21 58 / 16 17½	h. m. 23 58 / 18 17½	h. m. 1 58 / 20 17½	h. m. 3 58 / 22 17½	Means.
Sept. 1	73.8	73.	71.7	71.2	71.5	72.8	75.	76.8	78.9	79.	78.	....	74.7
2	76.	74.9	....	....	73.2	75.	78.	....	81.	82.	80.4	79.	77.7
3	78.2	77.3	77.	76.3	76.3	77.7	80.2	....	82.5	82.3	81.6	81.1	79.1
5	75.4	75.2	75.	75.	75.5	77.	78.2	79.1	79.5	80.	79.7	79.3	77.4
6	78.5	77.2	75.	73.7	72.8	73.1	74.5	75.	76.	75.5	75.	73.4	75.
7	72.	71.3	....	69.	68.9	70.6	73.2	75.3	76.2	77.	76.2	74.5	73.1
8	73.6	73.1	72.2	71.7	71.7	73.	75.4	78.7	77.5	77.	76.	75.8	74.6
9	75.2	74.9	74.7	74.8	75.4	76.3	78.8	79.	79.	80.	79.2	78.2	77.1
10	76.5	75.1	73.5	72.	....	70.9	71.5	72.4	72.5	72.6	72.1	71.3	72.8
12	74.6	75.	75.	74.8	75.9	78.2	81.8	82.9	85.	85.5	84.7	83.8	79.8
13	82.7	80.8	....	79.	78.8	80.3	82.	82.	81.3	79.2	78.2	77.	80.1
14	74.8	73.2	72.5	71.5	71.3	71.	70.7	70.5	70.	69.3	69.3	69.2	71.1
15	68.7	68.4	68.	67.7	67.2	67.5	68.4	69.8	69.9	70.	69.5	69.2	68.7
16	68.6	68.	67.5	67.2	66.8	66.5	67.	68.	68.5	68.9	68.5	68.1	67.8
17	67.2	66.3	65.2	64.	64.5	64.9	66.6	68.2	69.1	69.5	68.1	67.3	66.7
19	65.7	65.	64.2	63.5	63.5	64.8	65.9	71.2	76.8	81.9	82.5	78.	70.2
20	76.7	77.2	77.5	76.6	76.5	75.3	74.3	72.3	72.	71.2	69.7	67.9	73.9
21	66.9	73.1	73.1	73.7	75.2	76.2	76.2	75.8	74.8	72.8	75.5	79.2	74.4
22	78.	75.7	74.5	75.8	75.	75.	74.6	72.9	73.	72.	71.3	70.2	74.
23	71.6	74.8	72.7	70.2	71.5	73.6	74.6	....	74.	75.2	75.2	73.	73.3
24	73.1	75.5	74.4	....	71.	74.8	77.6	78.8	78.3	76.3	73.8	70.8	74.9
26	74.4	74.8	75.	73.	73.7	76.7	78.	78.4	78.	77.5	74.6	72.2	75.5
27	70.9	76.6	75.6	74.	75.7	78.4	79.	79.5	80.	79.8	77.5	75.	76.8
28	72.4	70.2	67.8	65.6	65.	65.6	68.9	71.4	74.	74.7	74.	72.8	70.2
29	71.7	72.7	77.2	78.	79.3	80.	79.9	80.	79.5	79.	77.4	75.4	77.5
30	73.3	73.7	76.8	77.3	78.8	78.6	77.6	77.3	78.	76.5	75.	73.	76.3
Means	73.5	73.6	72.9	72.3	72.6	73.6	74.9	75.5	76.4	76.4	75.5	74.2	74.3

Degrees Fahrenheit.

Göttingen time.. Observatory time.	h. m. 6 02 0 21½	h. m. 8 02 2 21½	h. m. 10 02 4 21½	h. m. 12 02 6 21½	h. m. 14 02 8 21½	h. m. 16 02 10 21½	h. m. 18 02 12 21½	h. m. 20 02 14 21½	h. m. 22 02 16 21½	h. m. 0 02 18 21½	h. m. 2 02 20 21½	h. m. 4 02 22 21½	Means.	Reduced to 32°F.
Sept. 1.....	722.	719.1	716.7	715.	748.2	758.5	719.8	701.9	724.2	733.	731.7	729.3	726.6	620.9
2.....	724.9	762.	.....	.....	760.2	774.1	748.2	751.7	734.4	777.	775.7	734.	754.2	640.5
3.....	730.	752.7	745.4	733.4	767.	770.4	752.7	746.3	741.1	758.2	763.7	759.2	751.7	635.2
5.....	729.4	745.8	721.	721.	758.9	796.1	770.	738.2	740.	791.	750.1	760.2	751.8	639.3
6.....	756.1	760.1	752.8	747.1	775.9	760.3	745.5	724.3	729.3	748.	740.3	725.	747.1	642.1
7.....	751.	726.3	.....	720.6	748.6	771.7	760.5	730.	729.2	743.	741.7	737.1	741.8	641.1
8.....	725.	728.1	729.2	721.	742.6	755.6	762.6	734.5	734.8	744.5	750.9	735.	738 7	634.
9.....	733 5	737.4	740.4	732.8	757.2	780.3	792.5	784.7	758.	757.9	757.	763.2	757.9	647.4
10.....	761.7	757.	754.1	737.7	757.	759.7	758.4	746.7	744.	754.5	734.4	758.1	751.9	653.2
12.....	723 5	736.	741.	726.6	754.3	767.3	767.8	761.5	778.7	797.4	790.4	*772.4	759.7	640.7
13.....	772.2	763.4	.....	753 8	784.3	778.8	776.2	765.8	760.	772.6?	779.	791.9	772.5	654.5
14.....	786.4	757.	754.9	748.4	747.7	768.9	756.	747.4	732.	730.	734.2	729.5	749.4	655.2
15.....	722.6	737.3	722.5	715.2	737.8	761.9	754.	736.	740.	744.7	744.5	741.1	738.1	648.3
16.....	737.8	738.7	717.1	717.7	736.9	745.4	726.9	724.7	724.2	731.5	747.2	734.9	731.9	644.2
17.....	760.	751.5	705.8	707.6	721.2	726.6	718.5	723.3	721.	735.1	720.4	718.6	725.8	641.8
19.....	715.7	716.3	714.	706.1	721.1	737.3	711.	681.6	686.7	705.7	783.2	748.8	719.	629.5
20.....	719.7	705.7	716.2	699.7	716.7	739.3	729.4	751.	730.	736.1	721.4	714.	723.3	627.1
21.....	698.	704.	704.	696.6	708.4	768 5	743.3	725.	721.5	726.7	720.2	705.4	718.5	621.8
22.....	696.2	704.4	702.4	678.3	723.1	732.9	721.5	724.5	688.	702.5	677.	698.5	704.1	610.6
23.....	691.6	699.1	725.2	691.8	702.4	715.8	706.4	697.8	694.7	687.5	696.7	693.5	700.2	608.
24.....	686.5	680.3	690.1	683 5	691.7	714.	705.8	692.7	700.2	701.4	712.6	706.1	697.1	600.6
26.....	745.6	743.1	743.5	744.1	739.7	756.7	765.2	758.5	752.3	762.5	765.2	762.4	753.2	653.5
27.....	745.	742.7	746.	754.5	752.1	760.9	778.	764.9	773.5	775.	770.3	768.6	760.9	656.2
28.....	767.5	756.8	742.8	739.1	745.4	744.1	733.7	745.	744.7	759.	755.2	767.7	750.1	667.4
29.....	727.8	738.4	760.5	740.	763.1	803.2	771.3	769 3	773.2	776.	777.5	770.1	764.1	656.6
30.....	766.8	755.7	749.4	740.8	762.3	775.	779.2	766.	763.5	767.7	770.5	763.4	763.4	658.9
Means.....	734.5	735.3	730.2	722.9	743.2	758.6	748.2	738.2	735.3	746.9	746.6	741.8	740.3	
Reduced to 32° F.	635.	636.6	633.5	626.9	647.	659.9	647.	634.	628 8	639.4	641.1	639.8		639.1

* Three minutes late.

Göttingen time / Observatory time	h. m. 6 02 / 0 21½	h. m. 8 02 / 2 21½	h. m. 10 02 / 4 21½	h. m. 12 02 / 6 21½	h. m. 14 02 / 8 21½	h. m. 16 02 / 10 21½	h. m. 18 02 / 12 21½	h. m. 20 02 / 14 21½	h. m. 22 02 / 16 21½	h. m. 0 02 / 18 21½	h. m. 2 02 / 20 21½	h. m. 4 02 / 22 21½	Means.
Sept. 1	73.	72.3	70.8	70.4	71.	72.	74.	76.	78.2	79.	78.1	76.4	74.3
2	75.2	73.9	....	....	74.5	75.2	77.4	78.8	80.	81.5	80.	78.2	77.5
3	77.6	76.3	76.	77.2	75.7	76.8	78.5	80.	81.5	82.	81.4	80.5	78.6
5	74.6	74.4	74.5	74.6	75.	76.4	77.4	78.5	79.5	80.	79.7	79.9	77.
6	78.1	76.2	73.8	72.7	....	71.6	72.5	73.4	74.5	74.8	74.1	72.	74.
7	70.7	70.	....	67.7	68.3	69.8	72.	73.8	76.	77.	76.	74.	72.3
8	72.9	72.3	71.2	73.7	71.4	72.4	74.4	76.	77.	76.	75.6	75.	73.9
9	74.5	74.3	74.2	74.5	74.9	75.5	72.6	78.6	78.9	79.6	79.	77.5	76.2
10	75.6	74.	72.2	70.8	69.8	69.3	70.2	71.	71.4	71.7	71.4	70.2	71.5
12	74.5	74.7	74.7	74.7	75.7	78.3	81.3	82.5	84.8	86.	84.6	83.7	79.6
13	82.5	80.7	....	78.4	78.	79.2	80.5	81.1	80.	78.	77.	75.5	79.2
14	73.2	71.6	71.	70.3	69.5	69.3	69.2	69.	68.7	68.5	68.4	68.1	69.7
15	67.7	67.5	67.	66.5	66.5	66.6	67.5	68.6	69.4	69.7	69.2	68.6	67.9
16	67.8	67.2	66.8	68.2	65.7	65.5	66.	67.	67.8	68.2	68.	67.3	67.1
17	66.4	65.2	63.8	62.8	63.8	63.7	65.	66.8	68.	68.5	67.2	66.4	65.6
19	64.8	64.1	63.4	62.8	62.7	63.2	64.	68.	72.5	76.9	77.8	72.9	67.8
20	72.5	72.5	72.5	71.7	72.6	71.	70.3	69.1	69.2	69.8	68.1	66.2	70.5
21	64.3	68.5	68.6	69.1	70.3	72.2	72.8	73.2	72.8	71.	71.7	73.9	70.7
22	73.1	71.5	69.7	70.7	70.	69.7	69.1	68.3	68.5	68.2	67.7	66.3	69.4
23	66.8	68.7	67.7	65.7	66.7	68.7	69.8	70.4	70.	71.1	71.6	69.7	68.9
24	69.1	70.3	69.8	67.7	66.8	69.6	72.6	74.1	74.2	73.5	71.3	68.7	70.6
26	70.5	70.5	70.6	68.8	69.	72.	73.7	74.8	74.7	75.4	73.	70.4	71.9
27	68.8	72.3	71.7	69.5	....	74.3	75.	76.3	77.5	78.	76.	73.5	73.9
28	70.8	68.7	66.7	64.5	63.6	64.3	67.1	70.	72.8	74.3	73.8	72.	69.1
29	70.7	70.6	74.	74.2	75.4	76.5	76.4	77.2	77.3	77.2	76.	73.9	75.
30	71.8	71.2	73.5	73.8	74.8	74.9	75.	75.	75.5	75.	73.5	71.4	73.8
Means	71.8	71.5	70.7	70.4	70.5	71.5	72.5	73.7	74.6	75.	74.2	72.8	72.5

Degrees Fahrenheit. Correction for temperature, 2.5 divisions of the scale for one degree Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 54	h. m. 14 00	h. m. 14 06	h. m. 13 52	h. m. 13 58	h. m. 14 04	Temperature Fahrenheit.	h. m. 13 56	h. m. 14 02	h. m. 14 08	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 11½	8 17½	8 23½		8 15½	8 21½	8 27½	
April 1.....	571.9	571.7	571.4	695.5	696.4	695.6	71.5	745.2	748.2	749.2	71.
2.....	578.1	576.3	574.5	757.3	757.2	756.8	73.2	757.8	760.2	766.	74.5
3.....	573.2	573.1	572.1	776.7	774.7	776.1	76.3	765.1	767.	769.3	75.7
5.....	581.9	582.5	579.9	763.3	763.7	763.6	75.5	756.6	758.9	760.3	75.
6.....	572.9	571.7	570.6	801.6	800.4	799.7	72.8	773.1	775.9	773.5	....
7.....	577.1	576.9	576.2	733.5	733.	733.	68.9	748.	748.6	750.6	68.3
8.....	567.7	568.2	568.3	800.	800.	800.2	71.7	742.1	742.6	745.3	71.4
9.....	579.4	577.8	577.	839.6	839.6	840.4	75.4	756.3	757.2	757.5	74.9
10.....	573.7	572.6	572.3	.....	.....	.....	....	756.3	757.	758.6	69.8
12.....	575.5	575.5	575.4	771.3	771.4	770.9	75.9	754.6	754.3	757.	75.7
13.....	570.1	568.9	566.9	816.2	815.8	816.	78.8	785.4	784.3	783.	78.
14.....	572.4	571.1	570.5	745.8	745.5	744.7	71.3	750.3	747.7	749.2	69.5
15.....	571.5	571.	570.2	682.6	682.1	682.3	67.2	736.1	737.8	739.6	66.5
16.....	557.2	557.	558.5	677.9	677.7	677.8	66.8	736.6	736.9	734.4	65.7
17.....	572.8	571.9	571.4	652.5	652.8	653.	64.5	721.6	721.2	720.3	63.8
19.....	575.4	576.4	576.	648.5	648.	648.	63.5	721.2	721.1	721.2	62.7
20.....	580.3	580.2	580.6	818.3	818.7	818.2	76.5	712.8	716.7	717.7	72.6
21.....	575.	575.	574.8	779.1	780.4	781.	75.2	705.	708.4	702.	70.3
22.....	577.6	578.5	577.6	797.2	797.2	796.8	75.	718.2	723.1	720.5	70.
23.....	590.	589.6	588.4	733.7	735.	736.2	71.5	701.3	702.4	710.3	66.7
24.....	589.	590.1	590.2	749.	748.	746.7	71.	694.3	691.7	694.7	66.8
26.....	583.4	582.8	583.4	771.5	771.5	771.4	73.7	735.9	739.7	742.2	69.
27.....	584.2	585.3	586.5	784.7	784.8	785.1	75.7	744.1	752.1	751.4	....
28.....	570.7	571.5	571.1	672.1	670.7	670.	65.	743.8	745.4	744.5	63.6
29.....	578.3	579.4	581.4	837.	837.6	838.	79.3	763.5	763.1	763.2	75.4
30.....	574.1	572.8	573.2	831.6	831.3	832.4	78.8	761.7	762.3	764.6	74.8

Göttingen time	h. m. 6 00	h. m. 8 00	h. m. 10 00	h. m. 12 00	h. m. 14 00	h. m. 16 00	h. m. 18 00	h. m. 20 00	h. m. 22 00	h. m. 0 00	h. m. 2 00	h. m. 4 00	Means.
Observatory time	0 19½	2 19½	4 19½	6 19½	8 19½	10 19½	12 19½	14 19½	16 19½	18 19½	20 19½	22 19½	
Oct. 1	573.3	567.	559.6	577.7	586.	580.7	578.9	578.6	571.5	570.2	568.7	568.2	573.3
3	566.6	571.	577.4	577.1	584.1	576.8	568.6	567.	569.5	570.5	569.	577.8	572.9
4	574.2	572.	577.8	580.3	589.	577.7	566.	565.1	572.	570.7	568 4	566.5	573.3
5	564.7	566.6	571.9	575.6	594.1	569.8	558.2	566.	578.4	576.	575.4	570.5	572.3
6	575.	581.8	582.1	586.1	594.	580.6	569.5	573.5	576.	572.	574.2	581.4	578.9
7	579.	581.8	588.1	589.	591.6	582.7	574.2	571.	574.	571.5	568.8	568.4	578.3
8	570.3	566.2	565.5	585.2	585.7	573.4	568.2	568.	576.7	571.7	579.6	582.5	574.4
10	570.2	582.7	583.7	584.5	593.5	585.5	558.4	556.9	562.5	.....	‡564.	563.1	573.2
11	562.1	568.1	568.5	568.5	572.7	569.7	558.4	559.6	561.	561.8	561.7	561.5	564.5
12	562.8	565.3	565.6	566.	569.1	574.6	563.5	559.	561.5	563.2	563.	562.6	564.7
13	560.1	563.8	566.9	570.1	565.	561.4	550.8	548.2	550.2	559.5	564.5	581.7	561.9
14	566.4	561.7	563.8	566.2	570.2	566.1	556.2	558.	559.1	563.7	563.4	564.9	563.3
15	565.9	558.5	565.1	563.2	572.1	563.8	553.5	553.6	558.1	564.6	§578.5	578.5	565.4
17	563.3	558.3	*565.1	554.7	568.9	555.8	552.4	546.6	553.7	561.5	566.	560.7	558.9
18	562.	550.4	552.4	567.2	569.3	561.1	553.9	553.1	560.5	557.3	568.5	573.2	560.7
19	562.4	558.8	560.4	.....	568.	561.4	549.8	554.9	555.2	559.9	565.8	560.9	559.8
20	556.4	557.4	559.5	561.4	569.	557.8	548.5	553.5	558.2	564.	561.7	561.5	559.1
21	555.8	552.9	.....	563.	567.4	556.8	545.8	549.5	557.	559.4	559.5	558.8	556.9
22	557.8	558.8	560.2	564.3	566.2	551.1	546.4	549.	553.9	553.2	554.5	554.6	556.1
24	560.8	559.3	566.3	557.	567.8	562.1	558.7	558.4	560.5	561.5	562.5	567.8	561.9
25	562.2	563.7	563.2	567.2	572.4	568.7	557.	556.8	559.5	561.9	564.7	565.3	563.6
26	562.3	563.1	557.8	564.9	568.7	568.5	557.6	553.6	552.	560.5	567.	564.5	561.7
27	564.1	567.	565.	555.	567.1	556.	558.6	552.1	557.7	562.7	565.8	565.9	561.4
28	563.2	551.4	567.7	567.	568.8	564.1	557.7	556.3	559.7	563.	564.2	565.6	562.4
29	563.8	563.7	566.4	569.2	564.7	563.5	555.7	556.2	557.9	573.7	580.	569.3	565.3
31	565.2	561.5	564.5	†565.4	570.7	562.2	556.	556.4	560.	563.9	562.1	566.6	562.9
Means	565.	564.3	567.4	569.8	575.2	567.5	558.6	558.5	562.1	564.7	567.	567.8	565.6

* One minute and thirty-seven seconds late. † Five minutes late. ‡ Six minutes late. § One minute late.

Göttingen time.. Observatory time.	h. m. 5 58 0 17½	h. m. 7 58 2 17½	h. m. 9 58 4 17½	h. m. 11 58 6 17½	h. m. 13 58 8 17½	h. m. 15 58 10 17½	h. m. 17 58 12 17½	h. m. 19 58 14 17½	h. m. 21 58 16 17½	h. m. 23 58 18 17½	h. m. 1 58 20 17½	h. m. 3 58 22 17½	Means.	Reduced to 32° F.
Oct. 1	770.7	734.9	707.2	705.4	748.7	802.7	825.7	830.1	827.	823.	810.8	791.3	781.5	213.2
3	723.	707.1	717.9	747.7	778.6	816.	823.	826.4	819.5	807.1	807.	815.6	782.4	212.7
4	830.6	827.6	829.7	803.3	797.7	820.2	818.1	807.9	798.	788.	769.	737.6	802.3	221.8
5	707.	680.6	702.1	702.7	742.3	781.4	790.	780.	769.5	761.2	744.4	717 3	739.9	225.6
6	696.1	735.5	744.9	760.9	781.3	798.7	787.6	776.	742.2	714.	706.	749.2	749.4	218.9
7	780.	789.4	783 2	796.	802.4	823.1	831.6	830.8	820.5	812.	793.	765.5	802.3	217.8
8	730.9	696.6	678.3	698.4	731.7	756.2	778.2	791.6	796.7	804.7	789.1	817.	755.8	206.4
10	709.8	714.1	763.9	781.	794.9	818.1	826.8	812.	788.	761.7	§735.	704.3	767.5	224.8
11	674.2	663.	739.	760.9	763.9	783.9	772.	767.7	765.	763.	755.	738.1	745.5	228.5
12	716.5	690.6	720.4	878.2	837.1	826.	801.	787.1	773.	763.4	751.2	725.8	772.5	233.8
13	700.4	681.9	711.5	767.4	767.	794.	794.8	794.	791.3	767.6	737.7	719.4	752.2	233.8
14	729.1	*752.7	753.2	752.6	764.7	784.6	777.5	774.1	785.	768.	752.2	740.9	761.2	236.
15	732.4	722.8	757.3	798.4	828.2	821.9	791.	772.9	747.	727.2	‖699.2	672.1	755.9	241.6
17	725.6	705.7	†749.1	779.	800.1	832.7	827.4	809.4	812.9	792.5	766.9	739.	778.4	235.7
18	719.3	749.6	796.9	791.	781.2	820.5	831.3	838.	832.	823.	807.6	793.1	798.6	228.9
19	773.2	747.2	766.7	.....	801.	803.6	782.3	756.	728.9	711.2	711.8	714.1	754.2	238.5
20	744.8	771.1	779.7	796.2	805.2	820.7	803.	766.5	727.	687.7	646.2	677.	752.1	237.8
21	745.8	758.	.....	748.2	743.1	764.6	766.1	773.	779.7	787.4	773.2	756.	763.2	242.1
22	750.9	754.5	754.4	737.8	718.8	760.6	762.9	776.	763.2	773.2	786.6	786.2	760.4	247.4
24	630.3	611.	677.4	696.4	739.5	778.9	789.5	795.	787.	776.5	761.	746.	732.4	241.
25	753.2	807.	837.1	836 5	825.	815.	793.8	763.6	733.1	703.7	677.8	662.	771.5	250.4
26	656.2	707.8	746.5	751.7	744.9	760.1	772.	775.	761.8	748.	735.	734.	741.1	228.1
27	735.7	756.3	763.6	747.8	755.4	762.	750.	752.4	749.	738.5	750.4	761.	751.8	242.9
28	772.5	784.	769.5	734.6	711.6	758.	778.7	784.9	781.	777.1	783.	785.	768.3	232.4
29	787.2	758.6	761.6	745.3	716.8	770.	783.3	784.	781.9	773.5	748.1	712.1	760.2	245.9
31	725.	725.8	753.5	‡763.7	765.7	779.6	775.9	769.	750.	762.2	779.4	785.1	761.2	245.5
Means	731.6	732.1	750.6	763.2	771.	794.3	793.6	788.2	777.3	766.	753.	744.	763.8	
Reduced to 32° F.	241.6	229.9	232.2	238.	220.2	227.3	226.6	226.6	225.2	236.8	241.3	236.4		231.9

* One minute late. † Two minutes late. ‡ Seven minutes late. § Six minutes late. ‖ Eight minutes late.

Göttingen time / Observatory time	h. m. 5 58 / 0 17½	h. m. 7 58 / 2 17½	h. m. 9 58 / 4 17½	h. m. 11 58 / 6 17½	h. m. 13 58 / 8 17½	h. m. 15 58 / 10 17½	h. m. 17 58 / 12 17½	h. m. 19 58 / 14 17½	h. m. 21 58 / 16 17½	h. m. 23 58 / 18 17½	h. m. 1 58 / 20 17½	h. m. 3 58 / 22 17½	Means.
Oct. 1	70.8	68.3	66.2	68.7	74.2	78.	79.	79.2	78.8	77.3	75.3	73.4	74.1
3	67.9	66.5	69.8	70.5	76.4	78.	78.3	78.	76.7	75.3	76.	77.6	74.2
4	78.	77.3	76.7	75.	75.4	77.6	76.7	76.1	75.	73.2	70.8	68.3	75.
5	65.7	64.	66.2	67.4	72.1	74.6	75.	73.8	73.1	71.8	69.7	67.5	70.1
6	66.2	71.4	71.2	71.2	75.4	74.9	74.1	72.8	69.5	68.	68.	73.3	71.3
7	73.5	73.5	73.7	74.2	77.2	78.4	78.5	78.	77.	75.6	73.2	70.5	75.3
8	68.8	....	63.4	68.8	70.7	71.5	74.8	76.3	76.8	75.5	73.7	79.2	72.7
10	66.9	69.8	73.3	73.	76.3	77.5	76.1	74.1	72.	70.	68.	65.9	72.2
11	63.4	65.3	70.4	70.4	73.2	72.6	72.5	72.4	72.4	71.9	70.2	68.6	70.3
12	66.6	65.7	71.3	78.5	77.5	75.3	74.1	73.2	72.3	71.2	69.5	67.5	71.9
13	65.4	65.8	67.9	70.7	72.8	73.8	74.9	75.	74.	70.2	69.	67.	70.4
14	69.3	70.7	69.7	69.8	72.4	72.4	72.7	72.	72.5	71.	69.8	69.	70.9
15	67.9	67.5	72.	75.8	76.	73.6	72.3	71.	69.2	67.4	65.	63.5	70.1
17	66.7	67.2	71.2	72.2	75.5	76.8	76.8	77.4	75.	73.	70.2	68.1	72.2
18	67.3	72.	73.6	71.8	73.3	76.7	77.9	78.1	77.3	76.	74.2	72.7	74.2
19	70.5	69.4	72.6	....	74.5	73.2	71.1	69.6	68.	67.4	67.4	67.5	70.2
20	71.1	71.8	72.4	74.6	75.	74.8	72.2	70.	67.3	64.	61.3	66.5	70.1
21	69.9	69.5	....	68.	70.	....	71.7	72.3	73.5	72.3	70.2	68.8	70.6
22	69.2	69.6	69.	66.3	67.4	70.	71.4	71.1	70.	72.	72.2	72.4	70.
24	59.8	60.2	65.3	65.4	70.	72.	73.4	73.1	72.1	71.	69.4	68.6	68.4
25	71.1	76.	76.4	75.5	74.8	73.7	71.9	69.7	67.4	65.5	63.5	62.3	70.6
26	63.4	68.	69.9	68.7	69.6	70.8	72.4	72.2	71.	69.	68.	67.9	70.
27	68.3	70.8	69.2	68.	71.	69.5	69.8	70.9	70.	68.5	70.2	70.7	69.7
28	71.1	72.5	68.7	....	67.6	72.1	73.	73.5	73.	72.3	72.1	72.7	71.7
29	71.3	69.1	69.6	66.5	68.8	72.3	73.	73.1	73.1	71.	68.1	65.7	70.1
31	66.4	67.8	70.2	69.8	70.5	71.3	71.3	70.3	69.4	71.8	71.6	72.4	70.2
Means	68.3	69.2	70.4	70.9	72.8	74.	74.	73.6	72.9	71.2	69.9	69.6	71.4

Göttingen time.. Observatory time.	h. m. 6 02 0 21½	h. m. 8 02 2 21½	h. m. 10 02 4 21½	h. m. 12 02 6 21½	h. m. 14 02 8 21½	h. m. 16 02 10 21½	h. m. 18 02 12 21½	h. m. 20 02 14 21½	h. m. 22 02 16 21½	h. m. 0 02 18 21½	h. m. 2 02 20 21½	h. m. 4 02 22 21½	Means.	Reduced to 32° F.
Oct. 1	747.7	742.	742.	718.8	719.6	743.	747.4	755.3	765.	760.9	763.2	760.7	747.1	649.1
3	735.	724.9	711.4	715.4	726.7	728.4	731.5	730.8	743.7	728.2	731.4	731.5	728.2	630 2
4	730.1	721.7	717.1	718 5	724.9	741.1	725.3	722.	725.	728.	731.	730.	726.2	627.7
5	733.	715.5	709.3	691.	718.	733.1	723.9	707.2	717.7	726.	726.2	723.7	718.7	631.5
6	716.	700.1	701.	708.	726.5	745.	732.1	721.5	710.5	713.2	705.7	705.	715.4	627.2
7	702.4	708.3	687.6	709.2	716.	736.5	736.7	744.6	733.2	744.1	749.	741.7	725.8	627.6
8	738.4	733.	742.2	712.6	720.5	753.3	748.7	749.5	772.	750.8	721.5	720.1	738.5	645.5
10	715.7	696.7	696.7	703.7	700.8	726.2	819.1	798.2	786.3	.....	772.5	772.6	743.5	651.5
11	769.4	755.7	757.9	763.1	768.4	794.9	799.9	785.5	775.2	777.	777.9	777.2	776.8	689.3
12	772.3	767.4	770.5	779.	789.8	813.5	814.5	795.1	783.2	776.7	777.	778.2	784.8	691.8
13	764.5	761.3	761.2	761.3	762.9	815.5	822.2	820.2	806.7	786.9	774.7	801.7	786.6	699.4
14	786 9	775.4	765.	765.1	783.9	839.8	827.1	803.7	794.8	787.1	789.1	784.	794.3	704.6
15	773.	774.6	768.2	775.3	787.5	802.1	803.7	787.	788.7	791.6	779.9	817.2	787.5	699.3
17	784.2	767.6	*770.3	776 8	784.4	810.	839.9	815.2	811.7	800.5	810.1	786.6	796.4	703.2
18	780.9	767.3	786.	772.1	793.7	811.1	807.5	897.7	822.7	823.2	833.1	815.5	809.2	711.
19	803.3	785.8	779.4	780.7	793.5	801.2	810.7	775.4	779.1	765.4	773.3	765.9	784.5	697.8
20	759.5	767.9	772.5	771.8	792.8	816.3	810.2	779.8	767.1	779.	763.5	745.2	777.1	693.1
21	752.8	765.3	.....	762.5	782.8	803.2	787.1	779.	782.	783.3	774.5	773.5	776.9	692.2
22	768.3	766.	763.1	770.2	786.2	795.5	793.7	781.	766.	778.2	777.	779.5	777.1	691.4
24	780.6	760.9	762.4	767.4	783.2	808.6	806.	801.7	800.	793.7	791.7	789.9	787.2	703.2
25	789.3	794.8	796.2	802.	815.1	840.1	834.3	830.7	795.2	787.9	789.2	758.3	802.8	711.1
26	767.	766.3	772.2	763.3	779.1	799.	803.5	791.1	798.5	808.7	794.8	779.3	783.6	701.6
27	772.9	773.7	769.7	756.	768.	767.3	782.2	795.5	779.2	780.2	781.	786.4	776.	692.8
28	778.1	767.	774.8	768.2	771.5	774.6	781.7	796.6	775.7	772.7	803.5	766.	777.5	691.
29	779.3	770.5	766.1	763.2	766.7	779.6	791.	778.5	801.7	806.8	808.5	795.3	783.9	697.9
31	780.	775.6	769.4	770.9	776.8	806.4	808.3	797.	782.5	775.	781.5	779.2	783.6	698.1
Means	760.8	754.	752.5	752.8	763.1	784.1	788.	782.3	775.5	773.	772.4	767.9	768.8	
Reduced to 32° F.	677.1	670.	666.5	666.3	672.1	690.4	693.8	687.3	681.5	681.3	683.4	680.9		679.2

* Two minutes late.

Göttingen time / Observatory time	h. m. 6 02 / 0 21½	h. m. 8 02 / 2 21½	h. m. 10 02 / 4 21½	h. m. 12 02 / 6 21½	h. m. 14 02 / 8 21½	h. m. 16 02 / 10 21½	h. m. 18 02 / 12 21½	h. m. 20 02 / 14 21½	h. m. 22 02 / 16 21½	h. m. 0 02 / 18 21½	h. m. 2 02 / 20 21½	h. m. 4 02 / 22 21½	Means.
Oct. 1	69.1	66.6	64.5	64.8	69.6	73.5	74.8	75.5	75.8	75.3	73.5	71.7	71.2
3	66.6	64.6	66.7	66.8	71.	73.5	74.3	75.	74.5	73.2	74.	74.2	71.2
4	74.2	73.4	72.7	71.3	71.1	72.8	72.	72.	71.6	70.5	68.6	66.3	71.4
5	63.7	61.8	62.4	63.5	67.1	69.3	70.	69.8	69.8	69.5	67.5	65.4	66.9
6	63.7	66.8	66.7	66.7	69.5	70.	69.6	69.	65.8	65.9	65.5	68.7	67.3
7	69.	69.	68.6	69.3	70.8	73.1	74.	74.	74.	73.5	71.3	69.	71.3
8	66.2	64.7	61.6	65.	66.7	68.	71.1	73.2	74.2	73.4	71.4	75.3	69.2
10	65.3	66.6	69.	69.3	71.	72.8	71.7	70.9	69.6	....	66.	64.2	68.8
11	61.7	61.6	65.7	65.7	68.2	68.1	68.4	69.	70.	69.9	68.7	67.	67.
12	65.2	63.9	67.5	73.2	74.2	72.3	70.8	70.5	70.	69.2	68.	65.8	69.2
13	63.7	63.1	64.6	66.7	69.	69.4	70.2	71.1	70.5	67.7	67.	65.	66.9
14	65.7	66.6	66.	66.2	68.3	68.7	68.9	69.5	70.	69.2	68.5	67.7	67.9
15	66.7	65.7	68.8	71.3	72.	70.	68.5	68.	66.8	65.2	63.1	61.4	67.3
17	64.9	64.7	67.5	68.4	70.5	72.2	72.5	72.9	72.2	70.3	68.5	66.3	69.3
18	65.1	67.8	69.4	68.2	69.2	72.3	73.7	75.3	75.5	74.4	73.	71.4	71.3
19	68.9	67.	68.3	68.3	69.6	68.4	66.9	66.	65.	64.4	64.3	63.8	66.7
20	66.4	67.1	67.4	68.4	69.5	69.6	67.5	65.6	63.6	61.1	58.8	61.4	65.6
21	64.1	64.1	....	63.	64.8	66.	66.6	67.5	68.9	68.4	66.8	65.1	65.9
22	65.1	65.2	64.5	62.6	63.1	65.8	67.3	....	67.8	69.	69.5	69.2	66.3
24	57.9	57.4	61.1	61.6	65.3	67.5	69.5	70.6	70.7	69.8	68.4	67.4	65.6
25	68.6	72.5	73.2	72.8	72.3	71.8	70.	67.7	65.4	63.7	62.	60.4	68.7
26	60.4	63.5	65.	64.2	64.9	65.8	66.6	66.9	66.2	65.	65.	64.2	64.8
27	64.2	65.7	64.7	63.6	66.2	65 2	65.1	66.2	66.	64.8	65.8	65.8	65.3
28	65.3	66.5	64.3	62.3	63.2	66.5	67.6	68.7	69.	68.7	68.8	68.7	66.6
29	67.2	65.4	65.5	62.8	64.3	67.1	68.	69.	69.5	68.3	66.	63.5	66.4
31	63.1	63.7	65.5	65.2	65.8	66.7	67.	67.	66.4	67.8	68.	67.8	66.2
Means	65.5	65.6	66.4	66.6	68.4	69.5	69.7	70.	69.6	68.7	67.6	66.8	67.9

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 54	h. m. 14 00	h. m. 14 06	h. m. 13 52	h. m. 13 58	h. m. 14 04	Temperature Fahrenheit.	h. m. 13 56	h. m. 14 02	h. m. 14 08	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 11½	8 17½	8 23½		8 15½	8 21½	8 27½	
Oct. 1.....	586.3	586.	584.8	745.9	748.7	752.7	74.2	721.4	719.6	722.7	69.6
3.....	582.6	584.1	584.8	775.1	778.6	781.7	76.4	721.9	726.7	723.2	71.
4.....	586.2	589.	588.5	798.	797.7	797.8	75.4	721.9	724.9	720.6	71.1
5.....	594.3	594.1	.....	740.6	742.3	744.6	72.1	722.7	718.	714.7	67.1
6.....	594.3	594.	594.	779.	781.3	783.6	75.4	722.7	726.5	728.8	69.5
7.....	590.5	591.6	591.3	801.	802.4	804.3	77.2	714.5	716.	715.8	70.8
8.....	586.	585.7	584 8	729.7	731.7	734.	70.7	723.5	720.5	726.7	66.7
10.....	594.	593.5	592.2	793.2	794.9	796.5	76.3	699.5	700.8	705.	71.
11.....	572.6	572.7	573.	762.1	763.9	765.2	73.2	766.2	768.4	769.5	68.2
12.....	569.1	569.1	569.8	837.	837.1	837.5	77.5	792.2	789.1	789.9	74.2
13.....	565.2	565.	565.9	766.3	767.	767.5	72.8	763.7	762 9	767.	69.
14.....	569.5	570.2	569.8	763.	764.7	767.2	72.4	.....	783.9	785.2	68.3
15.....	572.2	572.1	572.5	828.	828.2	828.1	76.	789.1	787.5	786.	72.
17.....	567.2	568.	568.4	797.9	800.1	801.9	75.5	781.8	784.4	784.5	70.5
18.....	568.2	569.3	569.	780.3	781.2	782.7	73.3	786.9	793.7	795.7	69.2
19.....	566.1	568.	566.7	800.5	801.	801.6	74.5	793.	793.5	793.6	69.6
20.....	568.7	569.	568.7	804.5	805.2	806.5	75.	791.5	792.8	792.6	69.5
21.....	567.	567.4	567.4	741.9	743.1	744.1	70.	783.2	782.8	784.2	64.8
22.....	571.3	566.2	563.6	719.	718.8	719.6	67.4	.....	786.2	786.	63.1
24.....	568.4	567.8	568.1	737.8	739.5	742.6	70.	782.2	783.2	785.5	65.3
25.....	571.7	572.4	571.5	825.7	825.	823.9	74.8	815.3	815.1	815.8	72.3
26.....	568.8	568.7	570.8	744.3	744.9	746.2	69.6	775.3	779.1	779.8	64.9
27.....	567.9	567.1	567.	753.9	755.4	757.2	71.	764.9	768.	772.	66.2
28.....	568.1	568.8	569.9	712.1	711.6	712.8	67.6	769.6	771.5	772.1	63.2
29.....	564.3	564.7	565.	715.8	716.8	718.2	68.8	764.2	766.7	766.5	64.3
31.....	569.7	570.7	571.	764.4	765.7	766.3	70.5	777.4	776.8	779.	65.8

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
Nov. 1	562.6	563.	564.2	564.1	571.4	564.4	556.2	568.3	563.	564.5	563.2	563.3	564.
2	565.9	546.9	566.2	571.9	569.4	557.2	553.5	555.3	555.	560.	563.7	562.3	560.6
3	562.7	563.4	571.3	564.3	571.	559.9	552.	547.8	556.5	572.3	565.8	565.3	562.7
4	562.1	565.3	567.8	569.2	570.7	563.5	556.1	556.3	561.7	562.	562.7	562.9	563.4
5	566.	554.1	563.9	564.	571.4	567.5	559.5	557.1	561.5	564.	566.9	566.7	563.6
7	563.5	565.3	565.9	567.	574.2	567.1	555.7	555.	563.2	565.4	566.	566.5	564.6
8	562.3	564.6	565.3	566.5	573.3	565.5	559.	559.1	561.2	565.5	566.8	567.3	564.7
9	566.	565.6	568.	567.	571.7	567.	558.2	558.9	561.	575.	579.	588.5	568.9
10	565.	567.7	563.6	554.	567.4	557.3	550.4	557.6	563.5	574.7	573.	568.3	563.6
11	576.2	573.5	559.3	573.5	570.	561.9	556.7	556.8	561.7	564.	567.	566.7	565.6
12	564.6	556.6	567.1	567.5	569.5	564.7	558.2	560.6	563.	564.	570.	564.8	564.2
14	565.9	566.8	565.7	566.6	570.1	563.9	558.2	560.	564.5	564.5	565.2	565.2	564.7
15	564.7	565.5	567.2	568.1	568.1	566.5	559.5	559.3	564.	566.5	566.	566.3	565.1
16	565.9	566.8	565.	*574.2	570.8	562.2	552.5	550.	561.6	567.3	566.6	567.3	564.2
17	566.8	565.2	567.	566.6	568.	561.6	554.7	557.	560.2	564.3	563.7	564.1	563.3
18	566.	564.8	567.2	569.3	571.2	562.9	556.2	559.3	562.5	563.4	564.8	563.2	564.2
19	561.4	562.3	566.5	567.6	570.1	563.7	555.2	558.6	563.8	561.5	563.4	559.9	562.8
21	564.2	568.5	568.4	564.5	567.2	560.8	556.6	556.2	556.5	564.5	562.8	613.8	567.
22	584.9	539.	545.8	558.3	544.4	547.7	555.	558.5	561.8	564.2	565.8	564.5	557.5
23	562.9	561.8	564.6	571.4	570.5	565.5	561.	559.7	560.5	561.	570.5	562.6	564.3
24	561.2	560.7	556.9	563.9	567.3	563.6	553.8	556.9	561.1	562.1	566.9	561.8	561.4
25	566.2	562.5	563.2	563.2	566.4	564.7	560.9	559.	561.	563.8	564.	563.5	563.2
26	563.5	563.8	560.7	564.3	565.3	563.3	558.5	558.	559.6	562.2	563.	562.6	562.1
28	563.5	564.9	564.5	563.4	563.5	565.5	560.8	560.3	562.7	562.6	563.5	563.9	563.3
29	565.5	561.8	572.2	565.5	563.8	565.1	559.4	559.4	561.5	563.0	563.8	562.1	563.6
30	561.7	562.8	563.2	563.8	560.9	556.6	554.	557.7	559.	574.5	562.5	562.6	561.6
Means	565.4	562.4	564.6	566.2	568.	562.7	556.6	557.4	561.2	565.3	566.	567.2	563.6

* Six minutes late.

Göttingen time.. Observatory time.	h. m. 5 58 0 17½	h. m. 7 58 2 17½	h. m. 9 58 4 17½	h. m. 11 58 6 17½	h. m. 13 58 8 17½	h. m. 15 58 10 17½	h. m. 17 58 12 17½	h. m. 19 58 14 17½	h. m. 21 58 16 17½	h. m. 23 58 18 17½	h. m. 1 58 20 17½	h. m. 3 58 22 17½	Means.	Reduced to 32° F.
Nov. 1.....	796.	788.	790.	780.	757.5	770.7	791.	800.4	790.5	779.5	783.7	789.3	784.7	244.7
2.....	784.2	784.3	794.9	790.6	780.5	784.	780.	780.7	778.7	790.5	804.7	790.4	787.	243.
3.....	784.4	798.1	788.1	752.	712.	754.7	766.5	‡764.	754.	756.1	757.5	742.9	760.9	245.2
4.....	748.	749.8	744.1	711.7	701.6	726.8	740.7	741.5	737.5	729.	739.7	754 6	735.4	253.5
5.....	729.2	739.4	739.	733.1	731.2	736.6	735.	729.9	712.8	699.2	673.	639.9	716.5	249.4
7.....	704.4	736.1	759.1	748.8	742.9	755.	762.	769.3	766.7	747.5	735.	718.4	745.4	250.
8.....	700.4	703.6	766.4	773.	778.2	820.5	813.9	791.2	775.2	754.	722.5	733.9	761.1	246.8
9.....	761.7	770.6	775.4	775.8	785.7	805.6	804.2	792.9	786.5	761.7	741.	751.8	776.1	238.8
10.....	740.1	*741.1	748.5	720.6	681.1	696.6	714.2	729.5	718.9	706.2	697.	704.5	716.5	262.9
11.....	724.1	743.9	738.9	718.3	700.7	725.	719.8	703.5	691.3	683.2	691.7	692.5	711.1	257.5
12.....	694.2	746.5	747.	749.	742.1	748.7	740.5	742.5	715.8	706.2	717.5	746.5	733.	251.1
14.....	750.	730.7	761.	743.2	734.5	748.9	728.4	717.2	743.	747.5	725.8	719.5	737.5	259.6
15.....	733.8	752.6	742.	735.3	717.	752.4	752.	720.5	728.7	756.2	785.5	772.1	746.2	250.8
16.....	733.	722.4	724.	†690.7	677.7	720.6	720.	702.2	706.	746.2	765.	789.2	724.8	251.
17.....	790.9	765.8	760.3	759.5	758.9	754.7	754.1	749.8	742.8	760.	794.	811.5	766.9	255.2
18.....	818.1	808.9	803.4	800.	798.1	799.1	799.8	751.6	692.8	697.	717.	694.	765.	262.8
19.....	714.5	729.5	743.8	726.1	690.	675.3	669.3	668.5	689.3	668.5	686.6	711.1	697.7	269.8
21.....	433.6	559.3	646.9	686.2	682.9	676.8	668.9	675.4	665.	636.8	628.9	652.	634.4	261.8
22.....	682.	708.	697.7	692.	652.4	658.4	683.	687.3	673.3	708.6	715.	685.5	686.9	269.8
23.....	708.2	728.	739.3	742.4	702.1	713.	734.9	§776.	804.1	802.4	780.5	768.4	750.1	249.3
24.....	762.3	751.	765.6	757.9	761.7	769.4	754.	736.4	708.6	717.2	716.	684.6	740.4	255.7
25.....	702.3	720.8	729.	747.2	733.4	750.4	755.5	705.9	704.	716.4	718.	726.8	725.8	247.9
26.....	728.8	723.6	712.2	724.6	723.1	709.3	722.5	738.6	752.5	736.2	733.5	757.	730.2	242.9
28.....	523.3	569.7	624.1	645.	638.9	651.5	660.	663.	630.	619.	622.5	611.1	621.8	265.4
29.....	598.2	638.	638.3	621.3	641.	677.2	689.	672.2	666.	681.7	679.2	668.	655.8	260.3
30.....	647.	624.4	636.5	640.8	616.9	581.2	556.3	626.6	643.5	678.2	703.	711.1	638.8	260.8
Means.....	711.3	724.4	735.2	729.4	717.	729.4	731.4	728.6	722.2	722.5	724.4	724.1	725.	
Reduced to 32° F.	260.4	247.9	261.4	265.	252.6	251.5	249.5	250.7	255.1	250.	257.3	257.		255.2

* One minute late. † Six minutes late. ‡ Seven minutes late. § One minute soon.

Göttingen time / Observatory time	h. m. 5 58 / 0 17½	h. m. 7 58 / 2 17½	h. m. 9 58 / 4 17½	h. m. 11 58 / 6 17½	h. m. 13 58 / 8 17½	h. m. 15 58 / 10 17½	h. m. 17 58 / 12 17½	h. m. 19 58 / 14 17½	h. m. 21 58 / 16 17½	h. m. 23 58 / 18 17½	h. m. 1 58 / 20 17½	h. m. 3 58 / 22 17½	Means.
Nov. 1	72.4	71.7	72.2	70.	70.3	71.2	74.	74.	72.2	71.4	72.2	72.3	72.
2	71.2	72.	72.8	71.4	71.5	71.7	72.3	72.5	73.	73.8	73.8	71.6	72.3
3	72.3	72.9	70.4	67.3	68.	71.1	71.4	71.3	70.2	70.	69.3	67.8	70.2
4	68.7	68.7	66.6	65.2	66.6	68.	69.1	69.2	68.	67.	68.2	66.8	67.7
5	66.9	68.6	67.6	67.5	68.6	68.	69.	68.	67.	65.	62.7	60.8	66.6
7	65.1	69.4	69.4	68.	68.1	69.9	71.2	71.1	70.	68.5	67.2	66.	68.7
8	64.5	67.3	68.9	70.2	71.8	73.9	72.4	70.3	70.	67.5	65.8	68.8	70.1
9	70.	70.4	70.3	70.9	72.5	73.5	73.5	73.	70.2	68.7	66.5	69.6	70.8
10	66.4	67.8	67.	63.7	62.9	65.	67.2	67.2	65.8	65.	64.2	65.6	65.6
11	66.8	68.3	66.3	65.4	66.	67.	66.	65.	64.2	64.	65.	63.7	65.6
12	66.4	68.7	68.7	68.4	69.	67.3	69.	67.1	64.7	66.	67.1	69.6	67.7
14	65.7	69.1	69.	67.2	67.5	67.9	66.6	66.5	69.1	68.	65.5	67.2	67.4
15	67.6	70.5	69.5	67.5	66.1	70.2	68.4	66.7	68.2	70.	71.2	68.8	68.7
16	65.7	67.2	66.1	62.8	65.1	67.4	66.4	65.4	66.	69.8	70.5	73.	67.1
17	70.	69.5	68.7	69.9	68.9	69.1	69.1	68.7	67.	71.	73.	74.3	69.9
18	73.	74.	73.4	73.	70.7	73.3	70.8	67.	63.	65.	64.4	63.3	69.2
19	65.3	67.2	65.9	64.8	62.	61.4	62.2	62.6	63.3	60.9	64.6	64.	63.7
21	44.7	56.4	61.3	64.	62.2	62.3	62.2	62.8	61.2	60.6	59.	58.5	59.6
22	61.7	63.3	62.5	61.8	59.2	61.4	64.6	63.5	63.9	66.4	65.8	62.6	62.9
23	66.1	67.8	67.	66.3	64.4	66.7	70.2	72.5	75.	72.5	70.6	70.	69.1
24	69.4	69.6	70.5	68.5	70.9	69.8	68.4	67.	65.3	66.5	64.8	63.4	67.9
25	66.7	67.4	67.7	68.6	67.8	69.7	66.5	65.9	66.	67.8	67.	68.	67.4
26	67.3	67.7	66.3	67.8	67.9	65.5	69.1	70.	69.8	67.2	68.9	70.6	68.1
28	50.3	56.	59.3	59.6	60.1	62.	61.5	62.2	57.	58.3	58.5	56.	58.4
29	56.8	60.8	59.	59.	61.7	63.6	63.1	62.7	62.	64.	61.4	61.6	61.3
30	59.	58.7	58.5	58.	55.7	54.9	55.7	61.6	60.6	66.2	64.	67.	60.
Means	65.4	67.3	67.1	66.4	66.4	67.4	67.7	67.4	66.6	67.	66.6	66.6	66.8

Degrees Fahrenheit.

Göttingen time.. Observatory time.	h. m. 6 02 0 21½	h. m. 8 02 2 21½	h. m. 10 02 4 21½	h. m. 12 02 6 21½	h. m. 14 02 8 21½	h. m. 16 02 10 21½	h. m. 18 02 12 21½	h. m. 20 02 14 21½	h. m. 22 02 16 21½	h. m. 0 02 18 21½	h. m. 2 02 20 21½	h. m. 4 02 22 21½	Means.	Reduced to 32° F.
Nov. 1.....	782.8	778.3	774.1	771.5	773.8	787.8	790.7	791.2	783.	778.5	785.8	779.	781.4	692.4
2.....	784.2	777.3	777.1	762.6	768.6	779.3	775.1	771.2	809.2	803.9	792.5	790.7	782.6	691.9
3.....	789.1	768.9	775.8	769.2	742.2	774.	781.2	794.	794.7	780.6	773.	768.9	776.	691.
4.....	765.1	763.7	758.8	751.7	761.3	775.	784.7	772.1	763.7	759.	760.2	762.	764.8	687.8
5.....	757.4	761.6	759.7	754.4	767.7	783 1	781.7	770.1	762.8	764.	763.1	761.	765.5	688.8
7.....	755.1	751.4	754.6	752.7	769.1	791.8	794.8	779.5	779.	772.7	775.2	779.5	771.3	687.8
8.....	772.3	766.2	770.2	771.6	785.3	800.2	793.6	780.8	773.5	768.3	754.7	758.6	774.6	689.4
9.....	763.	761.2	763.3	761.2	779.6	805.	799.4	792.7	793.5	784.5	802.	819.	785.4	697.9
10.....	779.6	776.6	772.6	784.6	770.	840.8	818.5	795.5	788.	803.2	810.2	783.7	793.6	720.4
11.....	772.4	797.7	793.4	768.7	790.7	809.2	713.5	777.2	781.1	782.	780.2	786.2	779.4	707.2
12.....	777.6	777.2	773.7	776.	791.	812.5	800.7	801.4	788.9	782.	781.	778.4	786.7	708.2
14.....	782.1	778.7	773.3	770.2	772.3	791.2	783.5	777.5	777.2	779.7	779.	770.7	778.1	700.4
15.....	772.7	774.3	775.3	776.9	779.5	788.6	789.1	774.5	767.2	762.	772.7	776.5	774.1	695.1
16.....	770.	770.5	776.3	771.7	782.5	792.1	803.2	798.2	773.2	772.1	776.7	780.4	780.6	703.9
17.....	785.8	786.	782.6	780.4	794.	801.6	799.4	789.2	782.7	776.7	780.7	788.	787.3	703.6
18.....	791.3	791.8	792.1	791.1	813.3	817.1	803.4	777.2	751.3	750.2	748.9	745.4	781.1	699.9
19.....	746.6	746.6	744.	739.4	761.5	766.7	764.6	744.6	734.4	746.7	760.8	759.4	751.3	688.8
21.....	747.5	736.5	753.1	748.6	771.6	771.8	774.2	776.2	802.5	835.	848.	948.5	792.8	737.3
22.....	891.1	835.6	787.7	776.9	810.	802.3	787.4	790.7	778.	782.5	785.4	798.4	802.2	744.
23.....	797.5	791.	790.3	792.3	786.8	790.7	800.5	801.3	795.5	802.7	801.7	795.5	790.5	713.3
24.....	794.1	793.1	791.1	778.1	792.2	808 8	810.3	794.7	786.3	786.	780.	766.	790.1	722.8
25.....	782.4	777.1	776.	775.3	776.8	790.7	807.5	796.	783.5	782.	787.8	789.3	785.4	711.2
26.....	795 5	789.7	782.4	771.5	776.5	781.1	780.4	784.	784.7	782.	787.3	789.9	783.7	707.
28.....	735.5	729.5	738.5	736.5	744.2	746.6	757.2	754.	747.3	747.5	745.5	760.5	745.2	696.5
29.....	740.1	746.1	745.9	746.	743.1	753.7	766.	756.2	742.2	744.5	756.	759.	749 9	694.7
30.....	753.8	747.2	748.7	746.1	768.7	769.6	763.6	767.	775.7	779.1	787.5	780.1	765.6	710.6
Means.....	776.3	772.1	770.4	766.4	775.9	789.6	785.6	781.	776.9	777.2	779.8	783.6	777.8	
Reduced to 32° F.	704.8	697.4	695.7	692.9	702.7	714.4	709.4	704.5	701.9	701.2	704.3	708.9		703.3

Göttingen time / Observatory time	h. m. 6 02 / 0 21½	h. m. 8 02 / 2 21½	h. m. 10 02 / 4 21½	h. m. 12 02 / 6 21½	h. m. 14 02 / 8 21½	h. m. 16 02 / 10 21½	h. m. 18 02 / 12 21½	h. m. 20 02 / 14 21½	h. m. 22 02 / 16 21½	h. m. 0 02 / 18 21½	h. m. 2 02 / 20 21½	h. m. 4 02 / 22 21½	Means.
Nov. 1	67.6	66.8	67.1	65.5	65.5	66.3	68.8	69.5	68.6	68.8	69.	68.8	67.6
2	67.7	68.	68.7	67.5	67.	67.5	68.	68.6	69.	70.	70.	68.	68.3
3	67.8	68.1	66.3	63.7	64.4	66.4	66.5	66.7	66.	66.4	65.7	63.7	66.
4	63.8	63.3	61.8	60.2	61.3	62.1	63.2	64.2	64.	63.8	64.	62.5	62.8
5	62.4	63.3	62.8	62.7	63.7	63.	64.	64.2	64.	62.8	61.	58.8	62.7
7	61.8	64.8	65.	64.4	64.3	65.7	67.	67.8	67.	66.4	65.8	64.8	65.4
8	63.	64.3	65.3	66.6	67.7	69.2	68.8	67.3	66.	65.	64.	65.5	66.1
9	66.3	67.1	67.	67.5	68.6	69.4	69.8	70.	66.5	64.6	62.6	64.1	67.
10	62.3	62.7	62.2	59.5	59.2	61.	62.	62.5	61.7	61.	60.6	61.4	61.3
11	62.2	63.2	61.9	60.7	61.4	61.9	61.2	60.8	60.8	60.5	61.1	60.2	60.9
12	61.4	63.4	63.7	63.7	63.9	63.	64.6	63.6	61.6	62.	63.	65.	63.4
14	61.3	63.5	63.8	62.2	62.3	63.	62.8	62.8	64.8	64.2	62.6	63.3	63.1
15	63.6	65.3	63.2	62.	61.5	64.	62.8	61.7	63.	65.5	66.2	64.3	63.6
16	61.8	62.7	62.3	59.5	60.8	62.6	62.2	61.4	62.	64.8	65.5	67.2	62.7
17	65.3	64.9	64.4	64.5	64.5	64.3	64.7	64.6	63.8	66.5	68.4	69.5	65.5
18	68.6	69.3	69.5	69.7	67.4	68.	65.7	62.2	58.3	59.	58.8	57.	64.5
19	58.2	59.5	59.	58.	56.8	56.1	56.5	57.1	58.	56.2	58.8	58.5	57.
21	41.3	49.7	54.4	56.8	56.1	56.7	56.5	57.5	56.5	56.	55.	54.4	54.2
22	56.2	57.2	56.9	56.7	54.8	55.7	58.4	58.1	58.	60.5	60.	57.7	55.3
23	59.8	61.2	60.8	60.5	58.6	60.9	63.8	66.	67.	66.4	65.	64.5	62.9
24	64.2	64.2	64.8	63.4	64.9	64.	62.4	61.2	59.7	60.	59.	57.8	58.9
25	60.	61.	61.3	61.9	60.6	63.3	62.	61.5	61.1	62.4	62.2	62.8	61.7
26	62.2	62.3	61.	61.8	61.9	60.7	63.3	64.	64.3	62.5	63.2	64.7	62.7
28	44.8	48.4	51.3	51.9	52.3	54.5	54.4	55.	51.5	52.2	52.	49.9	51.5
29	49.8	52.5	52.5	52.7	53.6	55.4	55.6	55.3	55.	56.5	55.3	55.3	54.1
30	53.1	53.1	54.	54.7	51.	50.	48.8	54.2	54.2	58.7	57.5	59.4	54.
Means	60.6	61.9	61.9	61.4	61.3	62.1	62.5	62.6	62.	62.4	62.2	61.9	61.8

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 54	h. m. 14 00	h. m. 14 06	h. m. 13 52	h. m. 13 58	h. m. 14 04	Temperature Fahrenheit.	h. m. 13 56	h. m. 14 02	h. m. 14 08	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 11½	8 17½	8 23½		8 15½	8 21½	8 27½	
Nov. 1.....	570.9	571.4	572.	758.	757.5	757.6	70.3	772.6	773.8	775.9	65.5
2.....	570.3	569.4	568.3	780.	780.5	780.5	71.5	769.9	768.6	768.2	67.
3.....	571.7	571.	572.5	713.	712.	712.	68.	744.	742.2	742.8	64.4
4.....	571.2	570.7	570.7	700.5	701.6	702.3	66.6	760.3	761.3	761.7	61.3
5.....	570.8	571.4	573.1	731.	731.2	731.3	68.6	665.5	767.7	769.	63.7
7.....	573.3	574.2	574.	742.7	742.9	742.1	68.1	767.2	769.1	769.5	64.3
8.....	572.6	573.3	573.8	777.	778.2	780.	71.8	787.7	785.3	788.2	67.7
9.....	571.4	571.7	571.9	785.	785.7	787.5	72.5	779.6	779.6	777.7	68.6
10.....	562.4	567.4	570.5	682.	681.1	680.6	62.9	765.5	770.	768.7	59.2
11.....	570.	570.	570.8	700.6	700.7	701.4	66.	789.7	790.7	790.7	61.4
12.....	570.5	569.5	569.9	741.3	742.1	742.5	69.	791.5	791.	792.2	63.9
14.....	570.3	570.1	570.	735.	734.5	736.3	67.5	769.5	772.3	773.6	62.3
15.....	567.5	568.1	568.1	718.7	717.	715.7	66.1	778.3	779.5	781.7	61.5
16.....	571.8	570.8	570.2	677.	677.7	679.2	65.1	778.	782.5	784.7	60.8
17.....	568.4	568.	568.2	759.1	758.9	759.	68.9	793 8	794.	794.1	64.5
18.....	571.2	571.2	570.9	799.4	798.1	796.4	70.7	815.4	813.3	816.3	67.4
19.....	570.	570.1	569.5	692.5	690.	688.6	62.	755.4	761.5	760.	56.8
21.....	567.7	567.2	571.1	683.1	682.9	683.3	62.2	766.8	771.6	767.5	56.1
22.....	544.7	544.4	545.8	653.	652.4	651.2	59.2	807.5	810.	810.5	54.8
23.....	570.4	570.5	569.9	702.4	702.1	700.7	64.4	784.8	786.8	784.4	58.6
24.....	567.4	567.3	567.6	760.5	761.7	764.	70.9	793.1	792.2	791.3	64.9
25.....	566.5	566.4	565.8	734.3	733.4	733.	67.8	775.2	776.8	779.3	60.6
26.....	565.	565.3	566.2	722.9	723.1	722.7	67.9	778.1	776.5	781.3	61.9
28.....	563.1	563.5	563.7	639.	638.9	639.4	60.1	742.3	744.2	737.2	52.3
29.....	563.8	563.8	563.7	639.8	641.	642.2	61.7	738.1	743.1	735.9	53.6
30.....	561.3	560.9	560.	620.6	616.9	609.9	55.7	767.9	768.7	767.4	51.

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
Dec. 1	562.8	562.	563.7	562.5	567.9	563.5	558.4	559.3	562.2	562.	564.2	561.7	561.7
2	563.	562.3	.....	562.9	564.2	563.5	559.7	561.	559.7	563.5	563.6	563.5	562.3
3	560.7	561.1	562.4	564.3	564.3	562.4	557.2	557.2	561.9	563.5	563.7	563.8	561.9
5	562.	560.7	563.	563.2	564.7	560.4	552.8	556.	561.5	564.	564.7	565.4	561.5
6	561.9	570.9	563.4	560.9	561.9	562.4	558.5	558.1	559.6	562.	565.	562.	562.2
7	564.5	557.7	558.5	563.6	566.8	558.	553.	553.2	560.4	571.	566.3	570.8	562.
8	561.7	557.2	560.6	561.8	562 5	563.5	558.7	554.2	559.7	562.5	564.3	563.4	561.8
9	558.7	563.	560.7	562.9	564.7	561.8	552.3	551.7	560.	557.2	559.5	567.3	560.
10	563.7	562.9	562.1	562.6	565.5	565.	556.1	556.4	559.	561.	565.	574.3	562.8
12	562.5	560.5	561.3	561.7	564.5	567.2	557.9	558.4	561.4	563.	563.8	562.6	562.1
13	564.	562.8	564.4	565.	566.6	568.1	560.6	560.7	558.2	561.	564.5	568.	563.9
14	562.6	557.5	562.4	563.9	563.7	564.7	560.	560.5	563.	564.6	564.	562.5	562.5
15	564.6	561.3	561.7	562.8	564.8	565.1	557.1	556.8	562.	563.	565.	565.5	562.5
16	.....	561.1	564.6	565.9	565.9	565.	560.	557.9	560.	564.5	563.5	564.5	561.2
17	564.5	562.3	564.4	563.6	565.6	560.	558.5	558.4	559.9	564.8	563.2	564.5	562.5
19	559.5	560.8	562.5	559.6	568.5	566.1	558.	555.3	560.	564.4	562.9	561.	561.5
20	556.5	558.1	559.7	562.3	563.8	563.5	555.	555.2	559.2	563.1	563.2	561.1	560.1
21	559.2	558.5	561.5	562.6	565.8	562.4	552.5	553.8	558.5	562.2	562.6	561.5	560.9
22	561.2	560.2	566.9	563.4	565.8	562.5	555.5	556.5	560.2	562.1	565.2	562.2	561.8
23	563.6	561.2	561.3	561.8	565.5	563.7	559.	555.5	560.	562.2	560.7	561.5	561.3
24	560.8	560.	560.8	560.9	567.1	563.3	555.5	552.9	557.	559.8	561.1	562.8	560.2
26	560.2	561.6	561.2	561.	565.4	565.3	557.8	554.	559.	562.2	561.4	563.2	561.
27	562.8	560.5	561.7	561.9	569.1	568.3	554.9	554.9	558.	560.7	562.5	560.6	561.6
28	564.2	560.4	560.6	561.6	566.8	564.7	552.8	550.5	556.7	558.7	565.	560.4	560.2
29	559.4	559.3	.....	563.6	565.9	565.7	551.2	551.5	556.	557.5	563.9	562.4	559.7
30	560.8	563.9	563.4	564.8	556.1	569.	564.9	559.8	560.	559.2	561.4	568.3	562.6
31	558.7	560.4	560.7	561.1	567.6	568.4	558.3	557.	564.6	563.4	563.5	563.4	563.1
Means	561.7	561.1	562.1	562.7	565.2	564.2	556.9	556.2	560.1	562.3	562.5	564.2	561.6

Göttingen time.. Observatory time.	h. m. 5 58 0 17½	h. m. 7 58 2 17½	h. m. 9 58 4 17½	h. m. 11 58 6 17½	h. m. 13 58 8 17½	h. m. 15 58 10 17½	h. m. 17 58 12 17½	h. m. 19 58 14 17½	h. m. 21 58 16 17½	h. m. 23 58 18 17½	h. m. 1 58 20 17½	h. m. 3 58 22 17½	Means.	Reduced to 32° F.
Dec. 1.....	703.9	667.5	695.9	721.2	739.2	719.6	693.7	653.5	646.	647.	632.	589.9	675.8	262.7
2.....	605.6	639.6	687.5	708.2	695.1	715.5	723.2	703.9	694.7	696.	714.	715.4	693.2	251.8
3.....	698.3	688.2	680.8	676.4	688.7	679.2	699.5	750.6	752.2	741.8	742.6	736.6	711.2	252.2
5.....	664.	667.9	693.6	726.6	727.7	736.2	729.	727.	729.2	728.	724.7	755.2	719.1	245.3
6.....	778.5	781.1	764.3	750.3	752.7	757.7	749.1	738.	730.	728.	720.2	692.6	745.2	259.2
7.....	682.	684.9	691.9	728.7	726.	715.9	711.3	694.	685.	669.	662.6	651.1	691.9	258.6
8.....	658.7	676.8	767.5	705.7	696.1	705.7	701.3	678.5	653.9	651.7	669.	686.5	687.6	262.4
9.....	681.1	682.	706.	727.5	726.6	727.1	714.5	712.	697.6	714.2	729.7	714.6	711.1	252.1
10.....	712.9	705.1	695.9	705.2	716.	707.4	686.	668.4	667.2	665.	673.	693.	691.3	255.3
12.....	603.6	621.5	635.5	656.	664.5	672.	677.	681.4	691.	693.4	691.3	689.5	665.	256.
13.....	677.8	647.	621.1	596.9	583.1	562.6	551.8	567.4	581.7	585.	584.2	584.6	595.3	268.6
14.....	584.	593.	595.2	587.2	591.3	603.5	625.5	645.	643.6	641.1	646.4	655.9	617.6	255.8
15.....	658.2	647.8	654.2	662.2	663.1	687.3	702.4	693.5	736.1	784.	792.1	774.	704.6	253.7
16.....	.....	716.1	733.6	755.2	727.1	701.3	712.5	691.5	687.	707.3	717.3	708.8	714.3	262.1
17.....	682.	642.2	656.3	670.4	658.5	637.4	621.	605.1	546.2	600.9	661.5	620.3	633.5	266.3
19.....	528.7	547.2	603.5	657.6	655.5	627.1	573.4	585.	619.4	643.	644.	629.9	609.5	268.
20.....	638.5	642.6	623.5	616.4	619.7	648.5	674.5	692.2	698.7	691.	663.2	647.3	654.7	260.5
21.....	646.5	648.	696.5	720.1	730.3	708.8	693.9	682.1	675.5	667.	677.5	686.3	686.	264.8
22.....	683.	682.1	675.8	677.	670.	651.4	645.1	673.2	669.4	666.5	659.7	642.9	666.3	269.4
23.....	603.3	565.8	571.1	580.8	568.5	577.6	575.3	571.6	565.2	578.2	595.7	596.9	579.2	274.1
24.....	602.6	621.	627.1	631.	583.	573.7	617.4	670.2	697.5	714.2	738.3	746.5	651.9	260.4
26.....	539.3	572.7	639.	679.5	695.	695.2	683.5	681.	699.9	707.6	707.4	735.8	669.7	259.3
27.....	765.7	770.2	746.6	733.	729.2	715.8	705.9	706.7	713.2	704.	695.5	697.2	723.6	271.4
28.....	690.9	670.	679.	700.	691.3	684.2	671.5	687.	692.	704.2	703.5	701.5	689.6	267.1
29.....	721.2	732.5	700.7	680.6	625.	616.5	640.8	676.	680.	656.	658.	698.5	673.8	267.5
30.....	698.9	707.1	679.	666.9	611.7	627.8	657.4	625.	634.2	626.	658.	671.6	655.3	263.8
31.....	696.1	694.9	692.1	679.4	667.	638.1	615.1	605.5	608.4	629.5	664.5	658.8	654.1	268.
Means.....	661.7	663.5	674.6	681.5	673.8	670.1	668.6	669.6	670.2	675.5	682.4	680.8	672.8	
Reduced to 32° F.	260.8	259.8	261.5	257.6	268.8	262.4	259.6	257.9	254.4	259.3	261.2	262.2		261.1

Göttingen time / Observatory time	h. m. 5 58 / 0 17½	h. m. 7 58 / 2 17½	h. m. 9 58 / 4 17½	h. m. 11 58 / 6 17½	h. m. 13 58 / 8 17½	h. m. 15 58 / 10 17½	h. m. 17 58 / 12 17½	h. m. 19 58 / 14 17½	h. m. 21 58 / 16 17½	h. m. 23 58 / 18 17½	h. m. 1 58 / 20 17½	h. m. 3 58 / 22 17½	Means.
Dec. 1	64.	60.8	66.5	67.	67.9	64.4	62.4	60.8	60.2	61.	57.3	56.3	62.6
2	59.1	61.2	64.9	65.2	63.9	67.4	67.	64.5	65.	64.5	67.	64.6	64.7
3	64.4	62.9	63.	64.3	63.7	63.5	67.3	69.1	70.2	67.6	69.2	66.6	66.
5	63.9	64.	66.3	68.5	68.2	67.3	67.6	67.1	67.4	67.	67.6	70.6	67.1
6	71.3	70.3	69.7	69.	69.	69.5	67.8	67.5	67.1	66.7	65.	63.	68.
7	63.1	63.7	64.5	67.9	66.5	65.7	65.2	64.2	63.3	62.5	61.8	61.2	64.1
8	62.5	64.8	66.	65.	63.4	65.5	64.	61.9	60.	61.8	63.2	64.3	63.5
9	62.4	64.2	66.4	66.9	67.4	66.4	66.1	66.3	65.1	67.	67.3	66.	66.
10	65.6	64.9	64.4	66.3	....	64.5	63.5	62.7	63.	62.7	63.8	65.8	64.3
12	59.2	59.7	60.7	62.2	62.6	63.	63.5	64.4	64.4	64.	64.	63.7	62.3
13	61.5	59.5	57.	55.5	55.	53.	54.	55.6	55.8	56.	55.7	56.2	56.2
14	56.2	57.	56.4	....	56.5	57.8	60.8	60.3	59.6	60.	60.9	61.9	58.8
15	60.5	60.8	61.5	61.9	62.5	65.1	65.2	64.2	71.1	72.3	71.	69.3	65.4
16	....	65.3	67.5	69.	64.	65.9	64.5	63.6	64.6	65.8	65.6	64.3	65.5
17	61.2	60.4	62.1	62.3	60.7	59.	58.7	56.2	52.	59.5	61.8	56.8	59.2
19	52.2	53.3	59.1	....	59.5	57.	54.2	57.2	60.	60.4	59.2	58.7	57.3
20	60.2	59.9	58.7	57.5	59.5	62.	62.5	65.1	64.8	63.8	60.5	60.4	61.2
21	60.3	60.7	63.5	67.	65.4	63.8	63.2	62.7	62.1	62.2	63.3	64.2	63.2
22	64.3	63.2	62.4	62.4	60.8	60.	62.	62.	....	60.3	60.	58.3	61.4
23	54.9	53.2	53.3	54.8	53.	55.4	54.5	54.4	54.2	55.5	56.	56.	54.6
24	57.	58.4	58.4	58.2	53.8	55.2	60.5	64.8	64.6	66.	67.6	67.4	61.
26	53.2	55.7	60.8	62.8	63.9	63.3	63.	63.2	65.7	64.2	65.	68.1	62.4
27	69.6	68.9	67.	66.2	65.4	64.2	64.3	64.7	65.	63.5	63.4	64.2	65.5
28	61.6	62.1	62.5	....	63.2	63.	62.5	64.6	64.5	64.5	64.	64.8	63.3
29	66.5	66.6	62.	59.5	57.6	58.8	61.3	63.4	62.2	60.	62.	65.2	62.1
30	65.2	65.3	62.5	59.	57.4	59.3	58.1	60.5	60.	59.	62.2	63.5	61.
31	64.	63.4	63.4	62.8	60.2	58.8	58.1	57.1	59.8	60.4	62.2	59.3	60.6
Means	61.7	61.9	62.6	63.4	62.	62.2	62.3	62.5	62.8	62.9	63.2	63.	62.5

Degrees Fahrenheit.

Göttingen time.. Observatory time	h. m. 6 02 0 21½	h. m. 8 02 2 21½	h. m. 10 02 4 21½	h. m. 12 02 6 21½	h. m. 14 02 8 21½	h. m. 16 02 10 21½	h. m. 18 02 12 21½	h. m. 20 02 14 21½	h. m. 22 02 16 21½	h. m. 0 02 18 21½	h. m. 2 02 20 21½	h. m. 4 02 22 21½	Means.	Reduced to 32° F.
Dec. 1.....	780.	774.5	767.	760.8	768.	788.3	785.8	771.5	764.2	761.8	763.	761.2	770.5	712.3
2.....	753.	749.4	751.	747.6	764.6	777.3	778.3	767.2	763.2	763.	768.	770.5	762.8	698.
3.....	770.7	765.8	761.5	758.5	773.2	784.6	786.9	787.2	779.6	778.4	780.	782.7	775.8	703.8
5.....	770.5	768.7	766.1	769.	778.8	784.3	786.7	782.	765.8	775.7	771.	778.9	775.2	697.7
6.....	777.2	788.4	784.7	781.9	772.8	784.	789.6	795.1	785.7	782.1	785 7	790.	784.8	708.8
7.....	784.7	766.4	769.	774.	783.1	787.8	792.5	797.	808.5	803.1	788.8	780.	786.2	717.
8.....	780.6	776.3	776.7	784.7	783.5	795.6	807.	803.5	781.	775.7	782.3	782.8	785.7	718.4
9.....	783.8	781.2	776.8	772.5	779.4	805.1	839.5	845.5	824.5	811.1	811.	806.8	803.1	730.6
10.....	801.4	802.5	797.1	793.	791.2	800.5	806.2	800.2	782.5	780.	788.5	778.7	793.5	724.
12.....	771.	772.6	772.5	771.2	777.2	785.	795.9	784.8	772.1	775.2	778.4	774.9	778.	713.8
13.....	775.6	769.9	756.8	752.4	758.1	765.6	760.9	769.1	777.8	781.	787.7	781.2	769.7	719.2
14.....	780.2	765.8	771.1	768.8	765.8	779.	791.4	779.	770.4	771.5	775.	777.1	774.6	719.4
15.....	776.2	773.4	772.1	770.4	771.	793.4	800.7	780.2	777.1	788.3	798.7	793.	782.9	714.9
16.....	.....	780.2	781.	781.1	782.	788.7	795.	797.7	783.9	780.	784.2	783.8	785.2	715.5
17.....	778.1	768.	765.8	765.9	761.6	773.	776.	769.3	751.8	749.7	753.6	755.4	764.	710.
19.....	761.6	760.6	763.6	767.5	766.2	789.8	792.3	770.7	764.9	773.6	778.	776.5	772.1	719.4
20.....	769.2	770.3	766.3	761.5	761.5	779.1	789.8	783.7	775.7	777.7	778.	774.5	773.9	712.2
21.....	777.2	768.4	770.2	769.5	781.9	794.4	800.2	788.	774.2	771.1	773.5	779.5	779.	712.
22.....	785.5	785.5	773.6	773.4	767.7	781.6	783.9	767.4	749.7	759.	763.1	789.7	773.3	709.1
23.....	763.5	753.1	747.7	745.	748.5	764.2	767.8	755.7	742.5	744.	747.7	751.3	752.6	712.8
24.....	748.	747.8	749.5	750.4	754.	777.8	778.8	754.8	755.	761.5	766.7	770.8	759.6	705.6
26.....	748.2	743.3	751.7	758.2	764.	789.	794.7	779.7	762.9	770.2	772.1	772.8	767.2	705.7
27.....	777.	779.5	777.8	773.5	772.8	789.4	797.7	776.4	766.5	767.	776.	775.	777.4	707.9
28.....	777.9	763.1	763.	761.9	762.3	782.2	784.6	789.1	767.	770.	776.8	769.6	772.3	707.1
29.....	772.7	774.6	774.4	775.3	766.6	781.8	798.5	786.7	776.6	785.	771.5	779.5	778.6	716.3
30.....	783.4	781.5	779.2	775.8	761.	766.7	787.7	783.2	768.8	772.7	779.	772.4	776.	716.
31.....	768.7	777.1	775.8	774.2	765.6	778.7	793.3	773.5	755.2	757.5	762.5	772.2	771.2	714.2
Means.....	773.7	770.7	768.9	768.1	769.8	787.7	791.2	782.9	772.	773.6	776.3	777.1	775.9	
Reduced to 32° F.	712.7	709.5	705.9	704.4	707.3	726.	728.2	719.2	708.	709.1	711.3	712.1		712.7

Göttingen time / Observatory time	h. m. 6 02 / 0 21½	h. m. 8 02 / 2 21½	h. m. 10 02 / 4 21½	h. m. 12 02 / 6 21½	h. m. 14 02 / 8 21½	h. m. 16 02 / 10 21½	h. m. 18 02 / 12 21½	h. m. 20 02 / 14 21½	h. m. 22 02 / 16 21½	h. m. 0 02 / 18 21½	h. m. 2 02 / 20 21½	h. m. 4 02 / 22 21½	Means.
Dec. 1	57.5	54.8	58.2	58.7	59.4	57.3	56.	54.3	53.8	54.2	52.	50.6	55.3
2	52.1	53.9	56.8	57.7	57.3	60.2	60.	58.7	59.	59.3	60.5	59.	57.9
3	58.5	57.5	57.8	58.	58.6	58.5	62.	64.	65.2	63.5	64.1	62.5	60.8
5	60.4	60.9	62.6	64.6	65.2	64.2	64.	63.6	64.	63.5	63.8	65.5	63.
6	65.7	64.8	63.5	62.8	62.7	63.	62.	61.8	61.8	61.5	60.5	59.	62.4
7	58.3	58.8	61.	62.	61.4	61.	60.4	60.	59.5	59.	58.	57.3	59.7
8	58.	59.8	60.9	60.4	59.	60.3	59.3	58.	56.	57.1	58.3	59.3	58.9
9	58.2	59.2	60.5	61.3	61.8	....	62.	62.	60.7	61.9	62.	61.	61.
10	60.4	60.	59.6	61.2	61.5	60.	59.2	58.5	59.	58.	59.2	60.7	59.8
12	54.5	55.1	56.	57.2	57.8	58.	58.6	59.3	59.7	59.6	59.3	59.	57.7
13	56.9	55.3	53.	51.7	51.	49.5	50.2	51.7	52.	52.	52.	52.5	52.2
14	52.3	52.9	52.7	51.9	52.3	53.	55.2	55.7	55.3	56.	56.	56.4	54.1
15	55.5	55.5	56.1	56.8	56.9	58.7	59.3	58.6	62.	64.5	64.	62.8	59.2
16	....	59.3	60.	62.	58.8	59.9	59.7	59.1	59.6	60.8	60.7	59.	59.9
17	56.1	55.	55.7	55.5	54.2	52.8	52.4	50.9	49.7	53.2	55.5	52.5	53.6
19	47.9	48.5	52.2	55.2	54.2	53.	52.1	53.8	55.2	55.8	55.	54.2	53.1
20	55.	55.	54.4	53.5	54.2	56.4	58.4	60.4	60.4	59.	57.	56.8	56.7
21	56.3	56.7	57.5	60.8	60.3	59.5	59.1	58.7	58.2	58.6	59.5	60.5	58.8
22	61.2	60.5	60.	59.	58.	57.4	58.2	58.	57.1	55.6	54.7	52.8	57.7
23	49.3	47.5	47.8	47.7	47.	48.5	47.5	47.5	47.2	48.	48.5	48.7	47.9
24	49.2	50.2	....	50.4	47.3	47.9	52.5	56.2	56.9	58.6	60.1	60.3	53.6
26	48.3	50.2	54.	56.	57.	57.2	57.3	57.8	60.	59.4	59.7	61.8	56.6
27	63.	62.7	61.6	60.5	59.8	59.	58.8	58.9	59.	58.	57.8	58.2	59.8
28	56.	56.	56.3	58.	57.4	57.	57.2	58.6	59.	59.	58.7	63.6	58.1
29	59.5	59.7	57.	55.5	53.3	53.8	55.8	58.	57.8	56.3	57.	59.5	56.9
30	58.	59.	55.6	53.3	....	54.3	54.	55.9	55.8	55.2	57.5	57.8	56.
31	58.9	57.	56.5	60.	54.6	53.1	52.1	51.2	52.2	53.3	55.3	53.5	54.8
Means	56.4	56.5	57.2	57.5	57.	56.7	57.2	57.5	57.6	57.8	58.	58.	57.3

Degrees Fahrenheit.

	Declination.			Vertical force.				Horizontal force.			
Göttingen time.....	h. m. 13 54	h. m. 14 00	h. m. 14 06	h. m. 13 52	h. m. 13 58	h. m. 14 04	Temperature Fahrenheit.	h. m. 13 56	h. m. 14 02	h. m. 14 08	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 11½	8 17½	8 23½		8 15½	8 21½	8 27½	
Dec. 1.....	566.8	567.9	568.5	739.7	739.2	739.5	67.9	768.1	768.	766.7	59.4
2.....	564.	564.2	564.	696.7	695.1	694.	63.9	762.1	764.6	764.5	57.3
3.....	564.1	564.3	564.1	689.7	688.7	688.5	63.7	772.4	773.2	775.6	58.6
5.....	564.6	564.7	564.2	727.7	727.7	727.	68.2	779.3	778.8	779.5	65.2
6.....	562.8	561.9	563.9	753.8	752.7	751.7	69.	772.3	772.8	775.1	62.7
7.....	565.9	566.8	565.5	726.3	726.	725.7	66.5	783.7	783.1	783.2	61.4
8.....	564.	562.5	561.3	697.	696.1	695.4	63.4	782.2	783.5	781.	59.
9.....	564.	564.7	564.5	726.4	726.6	727.7	67.4	778.5	779.4	778.2	61.8
10.....	565.	565.5	565.	715.4	716.	716.7	....	.....	791.2	800.7	61.5
12.....	566.	564.5	565.1	664.	664.5	665.1	62.6	773.5	777.2	776.3	57.8
13.....	566.9	566.6	567.1	584.4	583.1	582.3	55.	.....	758.1	758.	51.
14.....	563.3	563.7	563.9	590.9	591.3	591.7	56.5	765.2	765.8	767.5	52.3
15.....	563.7	564.8	564.3	663.1	663.1	663.3	62.5	769.6	771.	769.7	56.9
16.....	564.7	565.9	567.6	731.2	727.1	723.8	64.	782.2	782.	781.5	58.8
17.....	564.3	565.6	565.3	659.5	658.5	657.2	60.7	763.2	761.6	763.3	54.2
19.....	566.4	568.5	569.1	656.8	655.5	654.5	59.5	765.1	766.2	763.2	54.2
20.....	564.4	563.8	565.	618.8	619.7	621.	59.5	756.5	761.5	759.5	54.2
21.....	566.5	565.8	566.	732.	730.3	729.3	65.4	782.	781.9	781.7	60.3
22.....	566.6	565.8	566.	671.1	670.	669.	60.8	769.4	767.7	768.8	58.
23.....	566.3	565.5	564.1	568.4	568.5	567.2	53.	746.8	748.5	751.	47.
24.....	567.2	567.1	568.	586.	583.	580.5	53.8	752.2	754.	754.7	47.3
26.....	565.	565.4	565.7	695.5	695.	695.	63.9	762.5	764.	764.2	57.
27.....	569.	569.1	567.8	730.1	729.2	729.1	65.4	773.1	772.8	772.2	59.8
28.....	566.7	566.8	566.4	692.3	691.3	691.4	63.2	762.7	762.3	762.7	57.4
29.....	564.3	565.9	567.4	626.9	625.	623.7	57.6	765.5	766.6	767.7	53.3
30.....	553.9	556.1	557.	613.1	611.7	611.5	57.4	763.9	761.	760.	....
31.....	567.4	567.6	568.8	668.5	667.	665.1	60.2	766.2	765.6	763.8	54.6

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

TERM DAY MAGNETIC OBSERVATIONS,

FROM JANUARY TO JUNE, 1842.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time. m.	s.
m.														
0	565.8	564.9	566.	572.6	567.6	568.3	572.9	573.4	569.6	571.6	568.9	566.9	19	30
6	565.3	565.9	571.3	571.3	568.8	568.6	574.8	569.7	570.2	571.2	568.	566.8	25	30
12	564.9	565.7	573.3	570.7	568.7	568.6	575.2	566.	570.1	570.5	568.9	566.9	31	30
18	563.8	565.2	582.2	569.5	568.6	568.5	575.	567.6	569.6	569.1	568.8	566.5	37	30
24	564.8	566.	582.9	568.8	567.7	568.8	578.7	568.1	569.4	568.6	568.8	566.6	43	30
30	565.	565.7	581.2	567.6	568.	569.3	580.3	569.2	569.3	568.3	567.6	567.9	49	30
36	565.	566.1	577.4	567.1	568.7	569.3	584.4	571.8	569.4	567.7	566.2	567.5	55	30
42	564.7	566.1	574.6	567.9	569.5	569.8	585.2	572.6	571.5	568.4	.....	568.3	1	30
48	564.	565.6	573.4	567.2	569.4	570.3	581.9	570.1	571.8	569.5	.....	568 3	7	30
54	563.7	566.4	574.5	567.6	568.6	571.1	577.8	569.2	572.2	569.	567.6	567.9	13	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time. m.	s.
m.														
0	568.1	569.5	570.	574.2	576.2	578.	574.3	568.8	561.4	560.5	561.	562.4	19	30
6	568.3	569.6	569.8	574.3	576.8	577.1	573.9	567.8	560.8	560.5	561.	563.	25	30
12	568.6	569.	569.7	575.2	577.	576.5	572.8	566.9	560.4	560.5	560.8	563.	31	30
18	568.	569.	569.7	575.2	576.7	576.5	572.7	566.3	560.8	560.6	561.1	563.5	37	30
24	568.1	569.1	570.	575.4	578.	576.1	571.9	565.2	560.5	560.5	561.7	564.4	43	30
30	568.6	569.6	570.9	575.2	577.9	575.9	571.2	564.5	560.	560.1	561.6	564.5	49	30
36	568.4	570.	571.1	575.3	578.	575.6	571.2	564.	559.7	559.8	561.7	565.1	55	30
42	569.	569.9	572.1	575.6	578.7	575.2	570.5	563.5	559.9	560.	562.	565.8	1	30
48	569.8	570.	573.3	576.1	578.4	575.2	569.8	562.7	560.3	560.3	562.1	566.3	7	30
54	569.6	570.	573.1	575.9	578.	574.6	569.2	562.	560.3	560.8	562.5	566.7	13	30

Göttingen time..	h. ...22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3....	..Observatory time.	
m.													m.	s.
2.....	576.3	583.5	591.8	575.3	572.7	572.1	582 2	575.3	582.7	581.3	571.	567.4	21	30
8.....	577.7	581.7	594.2	573.8	571.8	572 8	583.6	577.5	581 6	579.7	570.3	568.5	27	30
14.....	581.2	582.	591.7	572.7	571.8	572.	586.2	580.3	581.6	577.9	571.8	568.2	33	30
20.....	579.9	583.7	583 5	575.3	573.4	574.7	583.7	579.7	580.	574.7	573.4	569.	39	30
26.....	579.4	583.6	576.5	576.1	573.9	575.1	573.8	579.7	580.7	573.	574.	569.	45	30
32.....	580.6	584.5	575.	574.6	573.7	576.4	571.8	579.3	580.1	575.2	574.	562.6	51	30
38.....	582.3	583.8	576.9	572.3	573.8	578.6	568.2	578.7	575.6	575.5	572.8	568.	57	30
44.....	584.4	582.3	577.	572.8	574.5	580.8	568.5	578.1	577.8	573.9	.....	566.9	 3	30
50.....	587.	584.3	577.	573.	574.3	580.8	574.	578.4	580.8	573.9	.....	565.6	 9	30
56.....	586.2	585.4	575.8	574.1	573.9	581.8	576.7	582.1	581.3	573.8	567.5	566.2	15	30
Thermometer...	70.1	69.2	68.2	67.9	68.9	68.2	67.3	66 3	64.9	63.9	63.9	64.3	.... Thermometer.	

Göttingen time..	h. ...10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15....	..Observatory time.	
m.													m.	s.
2.....	565.1	567.	569 3	569.7	568.1	573.	593.1	600.6	599.3	593.6	580.2	575.9	21	30
8.....	565.2	568.4	568.4	569.7	566.9	575.5	593.3	601.3	599.7	592.7	580.1	576.3	27	30
14.....	566.5	567.2	570.	571.2	568.6	575.9	594.	602.3	599.7	589.8	580.5	574.8	33	30
20.....	567.5	568.4	568.1	571.7	570.8	579.	595.	602.1	599.5	588.	578.7	575.5	39	30
26.....	562.2	568.3	571.3	571.4	570.	579.8	596.7	602.3	599.3	587.6	579.3	572.1	45	30
32.....	568.5	567.5	568.3	571.4	569.7	582.2	598.3	603.6	598.	585.1	580.4	573.8	51	30
38.....	568.6	567.7	571.3	572.3	570.	587.1	599.3	603.5	598.3	583.2	580.9	573.7	57	30
44.....	565.2	569.	571.4	569.9	571.6	588.4	600.3	602.5	598.1	582.8	579.8	574.4	 3	30
50.....	566.2	568.8	569.5	570.1	572.3	588.7	600.2	600.9	597.1	583.1	578.1	572.7	 9	30
56.....	566.5	568.	572.2	568.6	572.9	589.9	600.9	600.7	595.7	581.7	577.7	575.8	15	30
Thermometer...	64.8	64.9	64.4	63.4	62.7	63.5	69.	66.1	67.3	68.4	69.4	70.	.... Thermometer.	

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
4	770.6	775.7	765.2	755.6	748.2	748.3	746.1	738.6	713.6	684.7	666.5	665.7	23	30
10	771.3	774.6	764.5	753.	748.7	748.9	748.5	736.5	711.5	681.4	665 9	665.4	29	30
16	772.1	772.9	763.7	751.5	748.6	749.6	747.7	735.	709.	679.7	664.9	666.1	35	30
22	773.3	771.5	763.5	753.4	748.2	749.	747.1	732.6	705.5	676.9	665.3	666.1	41	30
28	775.7	770.1	761.5	752.3	748 5	748.	747.	729.3	702.2	674.7	664.1	666.1	47	30
34	776.2	774.9	760.1	750.1	748.6	749.5	743.4	727.2	699.5	672.4	663.	670.1	53	30
40	777.	773.1	758.2	751.2	749.	749.6	744.5	723.9	696.1	670.	663.5	670.	59	30
46	777.	768.4	757.7	749.1	749.4	748.9	745.	722.7	695.2	670.4	.....	670.1	5	30
52	776.6	768.3	756.4	749.7	748.9	748.2	742.4	721.	690.7	669.2	.....	673.	11	30
58	776.6	767.9	756.2	749.7	749.6	748.4	739.7	717.	687.7	667.7	665.3	673.3	17	30
Thermometer	75.5	73.8	72.8	72.8	73.2	73 2	71.9	70.4	68.4	67.	67.5	69.4	Thermometer.	

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
4	674.9	683.7	689.2	675.7	662.6	655.5	663.2	679.2	693.	706.5	722.1	734.1	23	30
10	675.7	683.9	687.4	675.7	661.9	655.	664.2	680.6	693.9	707.7	721.5	735.	29	30
16	677.2	684.1	686.	676.	660.5	654.9	666.6	682.	695.7	709.	725.1	736.	35	30
22	677.4	684.5	685.4	673.6	659.8	655.1	668.	683.5	696.7	710.3	726.5	736.1	41	30
28	679.3	685.3	684.1	672.6	658.8	655.5	669.6	685 1	698.2	711.3	728.	736.5	47	30
34	678.4	685.7	685.	671.1	658.4	656.3	671.2	686.4	699.8	713.6	729.1	737.1	53	30
40	678.9	685.7	680.	669.	657.7	658.	672.7	687.7	701.	715.2	730.1	737.8	59	30
46	681.9	685.6	679.7	666.5	657.	659.	674.7	689.5	702.1	717.	731.1	738.5	5	30
52	682.5	685.7	679.1	665.3	656.1	660.5	676.2	690.2	703.4	718.5	732.6	739.2	11	30
58	682.1	685.5	677.1	664.2	655.7	661.1	676.9	691.7	705.	720.5	733.6	739.1	17	30
Thermometer	70.	69.8	69.	67.5	66.9	67.9	70.1	70.9	71.9	73.2	73.9	73.7	Thermometer.	

Göttingen time..	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
0	564.6	561.5	562.4	560.8	562.2	568.	561.3	561.	563.3	562.5	559.6	564.6	19	30
6	565.5	561.5	562.2	562.1	563.6	567.5	562.	560.9	564.1	562.5	561.4	564.1	25	30
12	564.6	561.6	561.5	562.1	564.2	566.	561.8	560.8	565.6	563.2	561.6	564.5	31	30
18	564.3	562.6	560.7	562.7	564.1	566.3	561.4	561.	564.2	563.2	562.7	566.9	37	30
24	563.3	561.8	560.3	562.5	563.7	565.5	561.6	561.7	563.1	562.4	563.5	566.8	43	30
30	563.	559.2	560.2	563.1	564.5	563.7	561.4	561.6	563.4	562.1	563.1	566.2	49	30
36	563.6	560.3	560.5	563.6	565.	563.	561.1	562.1	564.4	561.5	562.8	566.6	55	30
42	562.3	560.	560.5	564.	565.	562.	561.2	565.2	563.8	555.5	562.8	565.9	1	30
48	561.6	560.8	560.1	563.5	566.5	561.4	561.5	566.5	563.3	555.3	563.2	566.	7	30
54	561.6	560.6	560.6	562.7	566.6	561.5	561.7	564.6	563.2	557.3	564.2	565.7	13	30

Göttingen time..	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
0	564.9	562.6	564.1	567.7	570.4	568.2	566.9	561.4	557.8	555.1	553.7	556.8	19	39
6	564.1	563.1	565.4	567.5	571.1	570.1	567.2	560.9	557.6	554.4	554.5	557.2	25	30
12	562.6	563.2	565.5	568.1	571.4	568.8	566.3	560.7	556.9	554.2	555.1	557.1	31	30
18	561.2	563.8	565.1	567.2	572.1	569.2	565.9	560.5	556.2	553.8	554.6	557.6	37	30
24	560.1	563.9	566.3	567.8	571.9	570.3	565.3	560.9	556.4	554.	555.9	557.6	43	30
30	559.9	564.2	566.2	568.3	570.9	570.8	566.1	560.	556.3	553.4	555.3	558.3	49	30
36	560.3	564.4	565.2	568.2	571.1	570.8	564.9	559.	556.2	553.4	555.8	557.5	55	30
42	560.9	564.9	565.	568.7	570.6	570.	564.	558.8	555.3	553.6	556.1	558.	1	30
48	561.6	566.2	566.3	570.	570.9	568.7	562.9	558.5	555.3	554.6	556.3	558.5	7	30
54	562.4	564.3	565.7	570.3	570.1	567.3	563.5	558.4	555.	554.5	556.7	559.	13	39

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
2	593.5	574.9	574.9	584.2	592.	594.9	595.5	591.5	595.	587.2	577.2	582.2	21	30
8	589.	575.3	579.	582 4	590.	598.7	595.5	591.9	593.	587.	579.	583.8	27	30
14	582.3	579.2	581.5	581 7	595.	595 8	593.4	591.6	588.1	590.4	581.	586.9	33	30
20	581.	579.6	584.7	577.6	594.5	595.8	591.2	594.	582.6	590.8	581.3	585.	39	30
26	573.3	581.9	583.1	580.	590.2	597.5	592.2	593.5	586.5	588.9	582.1	586.7	45	30
32	574.8	583.5	582.1	581.1	593.4	594 8	590.8	593.4	585.6	588.6	582.	586.	51	30
38	575 4	576.9	582.7	584.2	589.8	594.9	590.2	591.	584.	586.7	580.1	585.7	57	30
44	575.3	578.1	582.4	583.	587.9	593.8	589 9	580.	586.	585.9	582.7	589.7	3	30
50	574.4	575.3	584.9	585.1	594.4	593.4	593.4	584.2	587.6	583.4	580.6	591.3	9	30
56	575.4	577.7	582.2	582.3	588.8	593.5	593.	589.	588.9	580.5	583.2	593.3	15	30
Thermometer	59.8	59.7	59.3	59.4	60.4	61.	61.	60.5	60.2	60.8	60.6	61.2	Thermometer.	

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
2	594.4	589.7	588.8	591.	598.2	601.3	610.4	612.2	612 5	607.8	598.	590.7	21	30
8	596.2	586.2	590.	594.3	597.1	602.2	610.1	611.5	613.8	609.3	593.7	589.5	27	30
14	594.6	583.7	587.5	596.5	599.8	604.5	610.1	611.3	613.4	606.8	590.5	588.1	33	30
20	594.5	588.7	590.5	595.4	598.2	608.	609.9	614.2	612.	604.8	594.9	588.	39	30
26	594.	584.8	589.5	596.3	596.6	610.	612.3	612.9	610.1	603.2	590.2	588.6	45	30
32	592.3	587.5	587.9	595.2	598.3	611.	611.1	614.1	605.7	598.	591.2	580.	51	30
38	593.3	582.6	589.9	596.8	599.1	611.5	613.1	616.3	608.5	599.	588.6	587.7	57	30
44	587.2	584.9	587.6	600.8	599.5	611.9	611.4	613.5	605 1	601.2	589.	588 5	3	30
50	589.7	580.9	586.1	597.1	599.4	610.2	608.7	612.6	610.5	599.3	589.6	589.6	9	30
56	588.3	584.6	593.2	596.7	602.2	610 5	610.3	612.6	608.6	599.	589.4	585.2	15	30
Thermometer	62.6	63.8	63.8	63.4	62.2	61.3	61.	61.	62.	62.3	62.	62.1	Thermometer.	

Göttingen time..	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
m.													m. s.
4	623.2	622.4	618.7	615.8	618.	628.2	633.4	633.3	631.7	632.2	639.1	638.4	23 30
10	622.6	622.	618.2	615.6	620.4	628.6	633.7	633.	631.4	634.9	638.5	639.6	29 30
16	622.6	621.9	617.9	615.7	.....	629.7	633.7	632.5	631.3	631.3	638.7	640.7	35 30
22	622.1	621.3	617.4	615.3	621.5	630.4	634.1	632.8	631.8	634.7	638.4	641.4	41 30
28	622.1	621.2	617.	615.5	623.1	631.7	633.9	632.2	632.3	634.9	638.5	642.6	47 30
34	621.8	621.8	616.7	615.9	623.7	631.2	633.9	632.3	631.9	635.4	638.2	643.7	53 30
40	621.8	621.	616.8	616.5	626.5	631.6	634.	632.2	631.9	634.9	637.8	644.6	59 30
46	621.8	620.5	616.5	617.	626.5	632.	633.2	632.2	632.1	635.4	637.8	645.9	5 30
52	622.8	620.1	615.5	617.9	627.	632.8	633.7	632.1	632.3	636.8	637.7	647.1	11 30
58	622.4	619.9	615.7	618.3	628.	633.	633.7	631.8	632.	638.2	638.6	648.6	17 30
Thermometer...	67.7	62.2	61.9	62.6	63.7	63.8	63.4	.....	63.4	64.8	63.6	65.2	....Thermometer.

Göttingen time..	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	..Observatory time.
m.													m. s.
4	650.2	667.2	677.3	678.6	677.3	668.	655.5	645.1	646.7	653.3	654.7	655.8	23 30
10	651.7	668.7	679.1	681.1	677.1	664.2	653.8	644.7	647.1	653.9	653.8	656.5	29 30
16	653.4	670.2	683.5	682.	675.7	664.6	652.2	644.2	648.	653.5	652.5	656.2	35 30
22	654.8	671.	678.7	682.5	674.1	663.7	650.3	645.1	648.3	654.2	652.3	656.6	41 30
28	656.7	672.4	679.9	681.9	671.9	662.7	650.3	644.9	649.3	653.3	652.4	656.8	47 30
34	658.4	673.7	679.	680.5	672.5	661.1	649.2	644.9	650.4	653.8	653.1	656.4	53 30
40	660.8	674.	678.5	680.2	670.5	660.2	648.2	645.	651.5	654.	653.7	656.9	59 30
46	662.1	675.1	680.2	678.7	670.2	658.8	647.9	645.9	651.8	654.8	654.5	657.1	5 30
52	664.2	675.7	680.8	679.7	667.9	658.5	645.4	645.9	652.4	654.7	655.	657.4	11 30
58	665.9	676.6	680.2	677.3	667.4	656.7	645.5	646.3	652.9	654.5	655.4	657.1	17 30
Thermometer...	66.7	67.1	66.9	65.9	64.8	63.9	63.5	64.3	65.3	65.4	65.6	65.4	....Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time. m.	s.
m.														
0	548.	554.6	561.9	612.3	567.9	559.	562.	570.6	564.9	565.7	556.9	562.8	19	30
6	547.6	551.	560.6	603.3	564.4	559.4	562.6	575.1	563.5	564.3	556.5	563.	25	30
12	547.8	555.2	560.	593.4	562.4	559.4	564.5	576.4	561.5	565.2	556.6	562.9	31	30
18	548.7	557.2	563.3	584.8	563.9	558.7	562.5	577.3	565.3	564.	558.6	564.1	37	30
24	550.5	559.8	567.5	583.5	563.1	558.5	564.6	572.9	565.5	561.7	557.3	563.9	43	30
30	552.5	559.2	571.5	580.2	562.4	559.7	564.2	571.6	565.3	560.3	560.8	563.6	49	30
36	555.	558.5	574.3	581.8	560.3	559.7	564.7	569.	565.	561.5	561.8	560.9	55	30
42	556.2	558.2	577.6	575.8	560.5	561.2	566.7	565.8	566.5	560.3	561.	560.8	1	30
48	556.1	558.8	588.1	571.4	560.2	560.3	567.4	564.5	566.5	561.5	559.5	560.1	7	30
54	551.5	561.2	603.	571.	559.4	562.1	568.1	566.1	566.1	558.4	559.9	559.5	13	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time. m.	s.
m.														
0	557.6	558.5	561.9	572.5	572.9	569.	565.	557	552.2	549.2	550.9	563.4	19	30
6	558.9	557.5	561.8	573.2	573.5	568.2	562.2	556.2	553.1	549.5	551.7	564.6	25	30
12	559.1	557.4	562.5	573.1	573.	568.	562.7	554.4	553.1	550.6	552.	564.7	31	30
18	559.5	556.2	567.	570.	572.6	567.3	562.2	553.4	552.4	549.7	552.	564.4	37	30
24	558.8	553.8	567.6	574.9	571.7	566.6	561.3	552.3	550.7	550.2	549.5	561.	43	30
30	559.4	554.1	567.	573.9	572.1	566.4	559.8	551.8	550.8	550.2	550.	562.5	49	30
36	559.9	554.	567.4	575.1	570.8	566.1	559.5	552.1	551.	551.2	549.	560.3	55	30
42	559.7	557.7	570.8	572.8	570.	565.	559.5	552.	550.	550.7	551.6	559.2	1	30
48	559.5	558.	572.2	574.6	570.1	563.8	557.8	552.3	549.3	551.	557.1	560.2	7	30
54	559.5	560.4	572.3	573.5	569.5	564.2	557.	552.	549.	550.5	561.2	559.	13	30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8* 2	h. 9 3	Observatory time.	
m.													m.	s.
2	577.9	576 5	589.3	598.	594.8	576.5	573.3	570.3	559.4	572.3	566.6	563.3	21	30
8	573.4	577.7	595.2	584.5	591.1	570.8	568.3	571.2	560.	575.9	565.4	564.4	27	30
14	569.6	579.4	593.	588.	591.6	572.	571.3	570.6	560.2	570.	565.2	564.4	33	30
20	578.	571.6	589.9	599.4	588.4	572.2	572.8	576.	560.5	569.3	563.5	564.5	39	30
26	578.2	564.	595.3	608 2	581.7	574.1	572.1	572.3	563.	568.7	566.8	564.3	45	30
32	582.1	570.6	602.7	610.7	576.7	576.4	575.2	574.	564.6	569.1	566.1	567.	51	30
38	569.9	579.	608.2	606.8	576.9	576.5	574.7	569.6	565.6	561.6	568.6	569.3	57	30
44	561.2	585.1	605.9	605.5	573.2	575.1	570.9	568.3	562.9	563.8	569.9	572.1	3	30
50	563.6	591.	608.7	607.1	573.4	574.3	569.6	564.7	566.4	566.1	565.5	572.	9	30
56	574.1	589.5	613.7	603.	576.5	575.	568.5	561.1	568.3	563.2	566.2	572.3	15	30
Thermometer	63.8	63.7	62.7	61.3	60.5	60.8	61.4	62.2	62.4	62.8	62.8	63.3	Thermometer.	

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.														
2	576.5	570.4	558.3	569.	576.4	576.4	583.4	590.1	589.2	583.	563.8	573.1	21	30
8	578.5	569.7	557.9	564.1	573.8	577.4	582.1	589.	589.7	581.5	570.1	569.3	27	30
14	581.4	572.3	557.9	565.5	574.9	577.1	587.1	590.9	588.1	579.3	570.	562.	33	30
20	581.6	579.4	556 8	566.6	577.6	579.2	583.	592.7	584.7	578.	571.8	555.4	39	30
26	581.9	573.9	556.6	566.7	577.	580.1	585.	592.2	583.8	577.8	575.2	555.1	45	30
32	572.6	556.8	560.6	566.5	576.1	579.1	584.2	588.6	581.4	571.	581.7	556.1	51	30
38	572.	560.	559.	569.	575.1	580.5	585.2	590.5	581.8	571.1	583.8	561.5	57	30
44	573.	558.3	558.4	570.3	576.9	581.	586.5	587.3	581.4	568.3	592.5	567.2	3	30
50	573.2	558.7	557.	575.1	578.2	581.2	587.1	587.8	581.7	568.3	583.	565.4	9	30
56	573.6	558.2	560.6	572.9	576.3	584.3	585.	588.	585.	570.1	580.	569.	15	30
Thermometer	63.5	63.5	63.5	62.5	61.3	61.8	61.8	63.	63.5	64.	64.1	64.8	Thermometer.	

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
4	662.6	664.2	657.4	644.8	628.8	621.5	622.3	629.3	635.	637.7	643.6	647.	23	30
10	663.1	665.	656.3	646.	627.	621.	624.	630.1	635.	639.	645.1	648.1	29	30
16	663.	664.2	654.6	644.	625.2	620.4	625.	631.1	636.1	639.	645.3	648.5	35	30
22	664.	663.8	654.	642.7	623.9	620.2	625.5	631.3	637.2	639.5	645.3	648.	41	30
28	664.5	662.	652.2	641.	623.5	620.6	625.6	631.1	636.6	639.1	645.9	648.1	47	30
34	664.5	661.2	648.9	639.7	622.6	620.	625.3	632.	636.1	640.1	645.9	649.1	53	30
40	664.2	660.3	645.9	637.7	622.5	620.5	626.4	632.1	636 9	641.4	646.	654.7	59	30
46	663.5	659.5	644.9	635.2	622.3	620.2	626.2	632.6	637.3	641.6	646.1	655.	5	30
52	663.7	659.2	645.6	632 5	621.5	621.2	628.	633.3	637.5	642.1	647.5	655.6	11	30
58	664.	658.2	645.	630.	621.5	621.1	627.5	634.2	638.2	643.	646.8	656.2	17	30
Thermometer	66.9	66.5	65.3	63.1	63.	63.5	64.1	65.	65.2	65.4	65.9	66.3	Thermometer.	

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
4	656 5	663.5	662.1	660.	655.5	646.6	642.	644.6	657.3	661.2	662.1	668.6	23	30
10	657 4	663.2	662.3	659.9	654.4	646.3	641.7	649.6	657.5	661.5	662.5	669.3	29	30
16	660.3	663.2	662.6	660.5	653.2	645 5	642.	650.2	658.3	661.3	662.	669.5	35	30
22	659.7	663.1	662.	659.6	653.	644.6	642.4	650 6	658.4	661.6	663.5	670.	41	30
28	663.6	663.2	661.7	659.7	652 5	644.1	642.4	651.	659.	662.	664.	670.1	47	30
34	663.4	663.4	661.5	658.	657.3	643.1	642.8	652	659.1	662.	665.	670.5	53	30
40	663.6	663.2	661.	658.	650.1	642.5	643.1	652.8	659.7	662.1	665.5	671.7	59	30
46	663.5	662.1	660.8	657 5	649.6	641.8	643 6	653.7	660.2	662.2	667.1	673.	5	30
52	663.7	662.	660.	657.7	648.4	641.6	643.8	654.7	660.5	662.	667.6	673.7	11	30
58	663.5	662.	660.1	655.2	647.7	642.	644.1	655.8	661.1	662.5	668.4	674.7	17	30
Thermometer	66.4	66.5	66.3	65.5	64.2	64.1	65.	66.1	66.3	66.3	66.8	67.5	Thermometer.	

Göttingen time..	h. ...22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	..Observatory time.	
m.													m.	s.
0.....	559.8	560.6	562.	567.8	566.7	566.2	556.5	575.9	566.5	564.2	539.8	567.6	19	30
6.....	559.2	560.9	563.2	566.4	566.6	573.	565.9	573.9	568.9	564.1	543.3	568.3	25	30
12.....	559.5	561.2	564.	566.8	570.3	578.1	577.8	573.7	568.1	565.4	547.6	569.	31	30
18.....	557.7	559.2	564.	571.3	567.	575.7	592.8	573.3	568.3	561.8	550.5	570.3	37	30
24.....	560.2	560.	563.2	575.5	565 4	576.5	607.1	571.7	568.2	561.1	552.6	572.4	43	30
30.....	560.3	560.6	564.	577.	564.7	577.	604.6	569.	566.3	563.5	554.5	572.5	49	30
36.....	560.1	561.1	565.6	576.3	565.5	567.6	593.4	566.8	566.1	560.2	559.2	573.4	55	30
42.....	560.1	562.	565.5	572.5	567.	561.7	586.3	566.	565.2	549.	559.2	575.3	 1	30
48.....	560.	563.	566.9	570.7	566.8	554.	583.6	566.4	565.7	541.4	560.7	573.9	 7	30
54.....	560.7	562.	565.	561.	566.1	553.2	578.5	565.5	564.5	537.5	560.	574.7	13	30

Göttingen time..	h. ...10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.	
m.													m.	s.
0.....	572.5	581.4	558.8	570.5	569.2	560.2	552.7	552.1	557.	548.1	553.9	558.9	19	30
6.....	572.3	580.6	558.6	570.4	569.4	568.2	554.5	551.2	555.4	548.6	554.	559.4	25	30
12.....	572.1	581.5	561.1	570.	569.3	556.4	555.4	551.7	554.1	519.	555.7	560.	31	30
18.....	572.	578.2	562.4	570.	568.1	556.8	554.4	552.7	554.1	548.7	556.1	559.9	37	30
24.....	571.6	572.9	562.7	568.4	568.	557.5	553.8	553.1	554.6	548.8	555.	559.	43	30
30.....	577.	570.	562.5	568.	568.2	557.8	554.3	552.7	554.	549 2	555.	560.	49	30
36.....	578.6	569.1	563.7	568.4	567.8	557.5	554.2	554.4	553.3	551.2	555.5	560.9	55	30
42.....	578.6	566.9	567.9	571.4	566.5	556.3	555.7	555.2	551.6	552.1	555.7	560.1	 1	30
48.....	578.5	560.7	568.5	571.2	565.	552.5	554.8	555.4	550.5	553.	556.8	559.7	 7	30
54.....	579.3	559.6	568.3	569.7	562.7	553.	553.5	556.	549.3	553.6	557.9	559.	13	30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
2	621.5	623.8	645.5	638.8	641.2	657.6	657.7	644.	640.5	625.9	625.7	610.6	21	30
8	620.	620.	645.2	637.7	631.1	654.2	669.6	644.1	640.5	620.2	627.2	611.1	27	30
14	622.	622.4	647.5	635.4	629.	657.4	672.3	646.1	638.8	628.5	626.8	611.6	33	30
20	625.5	627.4	648.	602.2	650.2	656.5	651.4	643.7	638.	634.6	630.9	613.4	39	30
26	617.3	626.7	651.9	618.	651.4	656.3	652.7	642.3	633.6	637.7	627.7	613.8	45	30
32	620.7	627.7	653.	611.3	651.3	640.2	624.9	642.7	632.2	639.9	615.6	614.6	51	30
38	622.8	631.8	653.1	621.5	646.	641.2	631.5	642.4	631.4	634.8	608.5	615.6	57	30
44	624.7	633.2	649.4	627.	640.5	646.2	636.2	639.9	632.6	636.5	606.4	615.8	3	30
40	625.	633.	642.	632.2	645.1	656.2	631.	641.6	626.6	631.9	602.1	617.1	9	30
56	622.8	639.5	636.8	645.1	654.3	669.9	656.3	638.5	622.5	633.5	604.3	616.	15	30
Thermometer	71.7	72.3	72.6	71.7	70.8	69.4	68.2	67.	65.8	64.4	63.7	63.7	Thermometer.	

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
2	607.7	612.3	628.4	605.3	605.	639.2	670.8	647.5	641.3	644.7	634.3	628.1	21	30
8	607.5	616.3	627.5	604.7	607.9	637.2	667.8	651.4	646.	643.2	635.5	624.7	27	30
14	607.2	617.6	627.7	607.3	611.6	638.6	664.	654.4	646.8	636.4	632.7	622.8	33	30
20	606.3	617.8	625.3	598.2	615.7	644.	661.5	646.1	648.1	636.8	630.1	619.8	39	30
26	605.8	606.5	617.6	603.	620.4	648.3	656.7	646.5	641.2	641.7	633.1	620.6	45	30
32	612.2	614.8	613.6	602.	626.6	651.6	652.	645.9	644.9	638.6	640.3	617.5	51	30
38	611.6	622.5	613.7	608.5	628.	656.2	647.7	645.4	642.7	636.7	641.	615.5	57	30
44	611.9	629.6	613.3	603.	633.3	657.8	644.	644.5	642.6	632.	639.2	610.4	3	30
50	611.4	636.7	608.4	602.5	634.	667.1	640.9	641.6	643.1	633.7	632.3	611.7	9	30
56	612.9	637.4	610.	604.3	640.2	671.2	643.3	638.8	642.8	632.4	628.3	617.6	15	30
Thermometer	61.1	60.1	61.4	65.5	67.9	68.8	69.3	69.4	69.6	69.9	70.1	70.4	Thermometer.	

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time	
m.													m.	s.
4	750.9	752.	752.6	752.1	749.8	741.4	748.2	728.1	705.3	683.2	672.6	659.1	23	30
10	751.	751.5	752.	752.5	749.2	743.3	744.9	725.2	703.6	682.	672.1	657.9	29	30
16	751.	751.5	752.2	752.4	748.	742.4	743.	723.	701.5	680.8	671.6	655.6	35	30
22	751.2	752.	751.2	754.4	746.6	741.	741.3	720.6	699.	680.9	671.	653.3	41	30
28	750.4	751.8	751.5	754.1	745.5	741.8	745.8	718.1	696.8	682.1	669.5	650.8	47	30
34	750.6	751.5	752.	754.1	745.1	743.8	741.7	715.5	693.4	678.6	668.7	647.7	53	30
40	751.	752.	752.	752.3	745.4	746.4	740.7	712.4	691.4	676.	666.2	643.6	59	30
46	751.	751.3	752.7	751.9	744.4	747.6	738.3	711.	689.	675.	663.7	611.6	5	30
52	751.	751.8	752.2	751.1	743.5	748.2	734.6	708.2	687.1	674.3	666.3	638.5	11	30
58	751.2	751.8	752.2	750.2	742.2	750.4	732.9	707.	685.3	674.2	662.9	637.	17	30
Thermometer	73.5	73.8	73.4	72.5	71.3	70.4	69.3	68.	66.9	65.8	64.8	63.5	Thermometer.	

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time	
m.													m.	s.
4	633.8	615.4	605.2	616.2	655.	686.3	702.3	706.3	710.1	713.	717.5	719.7	23	30
10	631.8	613.6	605.4	619.	659.2	688.5	703.	707.2	710.2	713.4	718.3	719.2	29	30
16	628.1	612.4	603.2	622.7	662.7	690.8	703.2	708.1	710.5	713.3	718.1	718.7	35	30
22	626.9	611.8	602.7	625.	666.3	693.1	701.	708.9	710.6	714.	718.	718.5	41	30
28	626.6	610.	603.4	631.3	669.9	695.	704.	709.2	710.4	714.9	718.4	718.8	47	30
34	626.	608.4	606.1	633.	673.1	696.1	704.5	709.1	710.3	715.5	719.3	718.4	53	30
40	622.8	608.5	608.6	639.	675.9	697.5	704.2	709.	710.3	716.1	719.8	717.4	59	30
46	620.9	607.	610.6	643.2	678.7	698.3	701.	709.	710.8	715.8	720.	716.7	5	30
52	618.7	606.8	611.	644.7	681.1	699.9	704.4	709.8	711.5	716.2	720.	716.	11	30
58	617.9	606.3	613.2	651.2	683.5	701.2	705.	710.	712.	717.	719.4	716.5	17	30
Thermometer	61.7	61.6	63.5	67.2	69.7	70.8	71.	71.4	71.7	71.6	71.6	71.9	Thermometer.	

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time. m. s.
m.													
0	558.3	560.7	560.	563.6	561.8	562.	561.2	559.8	559.7	556.6	554.6	560.2	19 30
6	558.7	560.1	561.1	564.5	564.1	560.7	560.6	559.5	559.6	554.8	555.6	560.7	25 30
12	559.3	560.	561.2	562.9	560.6	560.9	559.4	559.6	559.3	555.1	557.3	561.3	31 30
18	559.4	560.	561.	563.2	560.9	563.1	560.1	559.9	559.1	556.9	557.8	561.6	37 30
24	559.	560.4	560.5	562.	560.6	563.3	559.6	560.4	558.5	558.6	560.3	561.	43 30
30	559.9	560.	560.2	563.	561.	563.6	560.	559.7	556.4	558.1	561.	560.7	49 30
36	559.	560.1	562.9	562.3	560.1	562.	560.5	559.5	555.2	557.2	560.8	560.4	55 30
42	558.7	561.	563.	562.7	559.6	562.	559.6	558.7	553.9	555.4	560.	560.4	1 30
48	558.5	560.1	564.3	561.7	561.2	561.9	559.3	559.	552.2	554.4	559.4	557.9	7 30
54	560.6	560.	564.3	562.	562.7	560.7	559.6	559.4	552.1	554.2	560.	556.9	13 30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time. m. s.
m.													
0	558.3	563.6	570.	577.1	576.4	568.5	560.3	555.5	552.5	548.1	547.3	550.	19 30
6	558.6	564.	569.1	575.	576.2	568.	559.2	556.	551.7	547.8	547.8	550.	25 30
12	559.5	564.2	569.6	574.2	574.4	567.9	557.9	556.4	550.4	547.3	548.1	550.7	31 30
18	560.5	564.1	571.5	574.8	574.1	567.	556.5	556.	550.4	547.2	548.4	550.	37 30
24	561.5	565.8	573.1	574.1	572.9	566.	556.5	555.6	549.5	546.8	548.9	550.	43 30
30	562.2	567.	574.1	573.2	572.8	565.4	556.1	555.	549.7	546.2	548.3	550.8	49 30
36	563.	567.4	575.3	575.	572.4	563.8	555.6	554.4	549.2	546.4	548.1	551.5	55 30
42	563.2	568.2	574.6	574.5	572.4	562.7	554.8	553.	548.9	546.6	548.3	552.5	1 30
48	563.	569.	575.7	573.2	570.6	562.6	554.7	552.4	548.3	546.9	549.6	553.2	7 30
54	563.4	569.1	574.4	574.2	569.5	561.3	554.9	552.	548.1	547.	549.	553.3	13 30

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.	
m.													m.	s.
2	640.7	631.9	643.2	661.9	653.2	642.5	644.2	650.8	646.3	648.8	644.	643.	21	30
8	639.	633.6	644.7	665.7	654.7	641.9	647.	651.4	645.9	647.4	644.	644.2	27	30
14	641.8	634.7	647.5	661.1	654.2	642.1	649.9	652.5	647.6	653.1	643.7	644.5	33	30
20	631.1	635.9	652.1	661.1	652.9	642.1	648.9	651.4	648.3	650.	643.5	644.7	39	30
26	634.5	638.4	656.2	662.1	653.3	645.1	648.9	644.7	647.7	648.1	644.7	645.2	45	30
32	643.	641.9	659.2	658.5	652.8	645.6	640.8	642.4	648.2	648.6	645.	644.5	51	30
38	642.7	641.2	662.4	657.6	655.4	648.7	648.5	643.2	644.4	648.9	643.6	644.2	57	30
44	639.7	641.4	666.3	656.3	657.2	649.2	648.7	647.7	644.8	648.3	644.2	645.	3	30
50	630.6	642.5	664.9	654.9	651.	648.6	648.7	650.8	641.5	647.	643.	644.7	9	30
56	635.7	640.	664.4	652.7	645.7	645.1	649.7	649.	644.8	645.3	642.9	643.5	15	30
Thermometer...	70.2	71.6	71.9	72.	72.	71.7	71.	70.9	70.4	70.1	69.7	69.	.... Thermometer.	

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	..Observatory time.	
m.													m.	s.
2	641.7	631.	622.4	627.	641.7	652.8	663.7	659.2	664.2	672.1	659.2	650.5	21	30
8	640.6	629.3	620.1	627.4	642.1	653.8	663.3	660.7	670.1	669.3	660.1	644.8	27	30
14	639.2	627.1	619.9	629.2	642.4	655.	662.	663.1	671.4	667.7	657.5	647.7	33	30
20	637.5	626.7	620.2	631.	644.8	655.9	661.5	663.2	670.8	666.7	656.9	652.1	39	30
26	637.5	625.7	619.1	632.7	645.9	658.	656.3	663.3	670.1	670.7	654.5	658.8	45	30
32	634.5	624.9	620.7	632.5	645.4	656.9	662.8	663.2	671.5	667.1	657.6	653.4	51	30
38	631.0	624.3	620.8	633.4	648.3	659.5	658.3	664.4	670.	666.9	658.2	650.1	57	30
44	630.2	624.2	621.2	637.	656.5	659.5	661.	665.8	672.	664.6	652.3	648.	3	30
50	631.2	621.6	624.9	640.1	655.5	664.2	658.5	665.8	668.5	665.9	647.7	645.4	9	30
56	631.8	622.6	626.6	641.	653.	663.7	657.6	666.5	669.	661.3	650.8	643.7	15	30
Thermometer...	68.7	68.6	69.4	71.1	71.9	72.4	73.1	73.4	73.5	73.9	75.	76.	.... Thermometer.	

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
4	686.1	689.9	699 8	708.	713.9	718.4	720.5	720.	717.	718.2	715.	709.6	23 30
10	686.2	691.2	700.5	709.2	711.	718 9	720.4	719.8	717 3	718.	714.6	709.5	29 30
16	687 1	692.1	701.2	709.8	714.7	720.	720.5	719.6	717.7	718.1	714.3	709.	35 30
22	687.2	693.1	702.2	710.8	715.	720.3	720.5	718.7	717.7	717.3	714.	707.6	41 30
28	688.	694.	703.5	711.1	715.8	720.5	720.2	718.6	717.1	717.3	713.5	707.1	47 30
34	688.4	695.4	704.2	712.	716.2	720.5	720.3	718.1	717.1	717.	713.7	705.1	53 30
40	689.3	696.	705.6	712.	715.3	720.	720.	718.	716.9	716.	712.	702.6	59 30
46	690.	697.	706.4	712.3	716.5	720.	720.3	717.7	717.4	715.5	712.7	702.	5 30
50	690.4	698.	707.	713.	717 6	720 8	720.1	717.9	717.9	715.1	711.6	703.7	11 30
58	690.	698.7	707.5	713.6	718.1	720.6	720.	717.	718.3	715.	710.9	703.6	17 30
Thermometer	70.3	71.4	71.8	72.	72.	72.	71.7	71.3	71.	70.2	70.2	69.5	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
4	702.6	698.7	695.7	704.8	719.1	731.7	742.5	750.	754.5	757.1	764.7	774.5	23 30
10	702.7	698.9	696.1	705.6	720.8	732.5	743.8	751.	754.3	757.5	766.1	775.9	29 30
16	701.5	698.9	696.6	707.2	722.	733 9	744.3	751.5	754.3	757.5	767.1	776.6	35 30
22	700.6	698.	696 5	708.2	723.	735.6	745.8	752.	754.9	758.1	768.2	778.	41 30
28	703.	697.5	697.	709.5	723.8	737	746.9	752.5	755.2	759.	769.4	779.	47 30
34	701.1	697.	699.	712.6	725.	737.5	747.2	752.9	755.6	759.9	770.7	780.	53 30
40	700.9	697.2	698.5	711.3	726.2	739.2	747.8	752 6	756.3	760.3	771.3	780.5	59 30
46	700 5	696.2	700.2	713.7	727.2	739.5	718.2	753.4	756.	760.6	772.	781.	5 30
52	700.2	696.6	701.9	716.4	728.2	740.2	748.7	753.7	756.7	762.	772.8	781.3	11 30
58	700.1	697.2	702.6	717.	730.1	741.8	749.5	754.	756.6	763.5	774.7	782.	17 30
Thermometer	69.6	69.8	70.6	71.8	73.2	73.8	74.4	75.	75.1	76.4	77.1	77.6	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
0	558.6	556.9	557.	570 7	562.8	599.4	570.2	576 9	589.3	563 5	565.5	546.	19	30
6	558.3	557.	556 4	569.4	565.4	600.	569.8	575.2	582.	562.6	566.6	547.2	25	30
12	557.7	557.	558.3	563.7	564.9	597.4	572.5	575.3	577.7	564.5	564.8	546.6	31	30
18	557.4	556.8	562.2	560.6	561.9	593.1	573.9	583.3	575.3	566.	565.7	546.2	37	30
24	557.1	557.	561.	560.9	563.4	591.	575.5	576.9	574.1	569.5	565.6	547.6	43	30
30	557.2	557.5	561.8	559.2	565.7	586.8	578.1	574.7	569.6	571.8	566.8	547.8	49	30
36	557.2	557.2	563.5	557.6	565.5	583.9	582.9	575.5	565.9	572.7	567.4	551.4	55	30
42	557.3	558.4	565.2	561.4	576.5	577.6	583.6	580.	562.8	572.9	559.8	552.6	1	30
48	557.	556.5	570.	564.4	590.5	575 3	580.4	586.9	562.7	572.4	550.6	554.6	7	30
54	556.4	556.7	570.8	564.9	598.2	570.3	579.8	592.9	563.	567.5	548.8	555.6	13	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
0	557.8	570.	578.1	571.2	570.9	570.5	565.	560.	560.	559.2	551.3	555.1	19	30
6	557.9	570.	575.9	571.6	571.2	568.2	565.3	661.9	558.3	557.	553.7	554.3	25	30
12	560.6	570.	575.5	571.7	572.4	567.1	564.	559.5	558.1	557.	554.7	555.2	31	30
18	561 8	570.	573.8	570.	571.4	569.2	562.6	561.	558.	555.8	555.1	554.5	37	30
24	562.9	570.7	572.7	569.6	569.9	569.	562.2	560.	558.7	555.4	557.	554.8	43	30
30	565.6	571.6	575.6	569.2	571.5	568.1	561.8	559.5	559.5	555.1	559.	555.8	49	30
36	568.2	575.	575.1	570 3	572.1	567.	561.7	559.8	560.	554.3	559.3	556.2	55	30
42	568.3	576.5	575.	569.3	571.8	565.8	561.5	560.	560.	554.3	558.6	558.	1	30
48	570.	577.7	570.7	569.1	571.1	566.1	561.2	561.	559.2	553 8	557.1	558.	7	30
54	570.	578.7	571.2	570.4	570.2	565.9	561.	562.1	559.	551.9	556.9	558.4	13	30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
2	646.3	657.5	662.9	625.4	654.3	657 8	674.1	701.5	647.4	687.8	674 9	674.	21	30
8	646.4	657.4	656.9	646.7	664.2	656.4	679.9	701.6	649.8	692.2	674.	671.6	27	30
14	636.4	655.5	663.	651.9	674 7	670.2	686.3	669.4	649.4	700.	673.3	671.4	33	30
20	637.1	653.2	654.1	665.4	682.7	686.7	692.	660.7	654.6	702.	670.1	671.2	39	30
26	635.2	654.6	658.5	664.7	676.2	680.4	691.3	666.6	654.4	700.8	669.9	674.9	45	30
32	632.3	653.	659.	661.	672.9	682.6	702.5	672.	657.7	700.7	675.6	683.3	51	30
38	631.8	648.	660.	665.4	684.1	680.7	709.5	682.2	665.6	689.	681.9	685.6	57	30
44	631.	630.3	656.5	653.2	673.2	673.6	703.4	681.4	672.5	684.2	699.1	685.2	3	30
50	644.5	645.	647.	654.	664.7	660.9	697.9	671.6	680.3	677.3	698.4	683.7	9	30
56	647.1	651.1	640.8	650.5	664.2	664.5	700.1	653.9	688.9	672.4	685.9	683.2	15	30
Thermometer	80 4	81.2	81.5	81.2	80.	78.8	77.8	77.	76.4	76.1	75.5	75.1	Thermometer.	

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
2	680.3	674.7	671.3	680.9	684.9	676 7	686.1	686.	680.8	673.2	701.4	691.4	21	30
8	679.2	672.7	678.3	684.9	680.5	677.6	684.6	681.4	683.	683.7	681.7	694.2	27	30
14	676.7	673.3	681.1	685.7	677.7	685.6	686.	693 5	683.7	682.6	683.2	689.	33	30
20	673.7	673.5	676.5	678.9	674.1	686.4	686.6	683.8	678.	684.	680.5	687.7	39	30
26	673.3	673.7	671.7	681.6	679.4	685.5	685.6	682.7	671.8	686.1	680.5	684.4	45	30
32	673.1	672.3	672.1	682.4	674.2	684.3	685.	682.3	667.9	685.7	674.4	678.7	51	30
38	672.	670.1	673.2	681.7	674.2	684.	686	681.9	663.8	684.6	683.5	673.7	57	30
44	667.5	669.8	668.7	682 6	674.6	685.	687.2	681.6	669.2	690.5	688.8	663.	3	30
50	668.	669.5	667.7	682.9	675.2	687.	686.6	675.8	672.	699.2	691.3	667.1	9	30
56	668.7	669.3	679.	683.8	675.1	684.5	685.6	671.	673.2	704.	688.4	663.5	15	30
Thermometer	75.	75.4	75.3	75.7	75.7	76.2	76.5	76.8	77.2	77.5	77.7	77.8	Thermometer.	

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
4	806.1	821.8	832.5	838.7	837.4	839.6	830 9	815.3	821.	813.1	800.7	803.	23	30
10	808.9	823.	834.1	838.1	836.	840.3	830.3	815.	821 4	811.4	800.3	803.	29	30
16	810.1	824.	835.4	838.6	834.5	810.7	829 1	819.5	822.4	810.8	801.	803.	35	30
22	811.4	825.	835.5	838.9	834.1	838 2	826.4	821.5	821.8	810.4	801.2	801.3	41	30
28	813.	826.1	836.5	839.	833.8	835.6	826.2	821.7	820.6	807.8	801.7	798.5	47	30
34	814.4	827 7	837.2	838 7	832.5	831.1	825.2	819.7	820.	806.	802.	796.2	53	30
40	815.9	828.1	837.7	838.3	832.6	832.8	823.6	817.5	818.5	804.7	801.6	794.8	59	30
46	817.	829.	839.	839.	831.7	832.4	821.3	815.1	818.2	803.4	802.2	795.8	5	30
52	818.5	830.	839.	838.3	836 7	832.1	819 5	816.	816.	801.7	802.5	795.6	11	30
58	820.	831.7	839.5	837.4	837.	831.8	817.9	818.9	814.5	801.	802.9	794.8	17	30
Thermometer	80.7	81.2	81.1	80.7	79 7	79.6	78.2	77.6	77.	76.6	76.2	76.	Thermometer.	

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
4	790.7	778.1	773 7	772.7	773.	779.	789.8	796.	802.	803.7	802.4	801.3	23	30
10	788.7	777.8	773.5	772.	773.2	780.	790.1	795.3	802.8	803.6	801.5	802.1	29	30
16	785.4	777.1	774.6	772.6	773.6	781.	791.	796.7	803.	803.8	800.1	802.1	35	30
22	783.4	775.7	775.	772.2	774.	783.2	792.	797.	803.	804.	800.	802.5	41	30
28	782.5	775.	775.4	772.3	775.	783.9	792.4	797.9	803.	804.	799.	802.2	47	30
34	781.9	774.9	775.3	772.3	776.	784.9	793.	798.9	803.1	803.8	798.8	801.9	53	30
40	780.6	775.2	774.8	772.	776.2	785.7	793.2	799.7	803.1	803.2	799.	801.	59	30
46	779 3	775.8	772.7	772.	777.	787.	793.4	800 5	803.3	803.	799.3	800.	5	30
52	779.1	776.8	773.3	772.7	777.8	788.4	793 6	801.3	803.6	803.	800.	799.	11	30
58	778.6	777.6	773.3	773.	778.	789.	794.	801.3	803.9	803.	800.6	798.	17	30
Thermometer	76.	76.	76.2	76.4	76.7	77.2	77.5	78.	78.5	78.4	78.7	78.5	Thermometer.	

MAGNETIC OBSERVATORY

AT THE

GIRARD COLLEGE, PHILADELPHIA.

TERM DAY MAGNETIC OBSERVATIONS,

FROM JULY TO DECEMBER, 1842.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time. m.	s.
m.														
0	559.5	566.7	563.7	569.	567.1	565.	564.	568.4	561.1	561.5	563.4	565.4	19	30
6	559.7	566.6	564.	572.	565.1	564.2	564.5	567.4	560.6	562.8	563.	566.	25	30
12	560.4	565.8	564.	574.3	565.1	564.5	564.5	568.7	560.6	564.3	562.8	566.2	31	30
18	561.9	565.	564.	575.	566.6	563.8	566.1	567.5	560.5	564.9	563.2	566.5	37	30
24	563.	564.	564.5	572.	567.2	563.9	564.9	566.6	561.	564.7	563.2	566.3	43	30
30	563.6	564.4	565.5	571.	566.2	563.3	565.4	566.3	562.6	566.	562.6	566.2	49	30
36	564.	563.4	564.3	569.8	567.3	563.5	565.7	566.2	561.9	566.	562.2	566.7	55	30
42	664.3	563.	566.6	569.4	566.9	563.9	566.	565.9	562.	566.5	561.8	567.1	1	30
48	565.4	563.5	567.1	568.6	566.5	563.	567.5	563.8	561.5	564.5	564.1	566.8	7	30
54	566.2	564.1	568.	567.2	566.6	563.5	568.3	562.9	561.4	564.2	565.9	567.3	13	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time. m.	s.
m.														
0	567.7	570.6	573.7	576.6	576.3	571.8	567.	562.	557.8	556.5	556.1	559.	19	30
6	568.	571.1	576.	578.6	576.9	572.	566.1	561.	557.4	556.3	556.3	559.4	25	30
12	568.3	571.1	578.3	576.4	578.6	572.1	566.	560.	557.6	555.7	556.7	560.	31	30
18	568.9	572.	578.7	575.4	576.1	571.8	565.8	560.	557.4	555.6	557.	560.5	37	30
24	570.6	571.5	577.8	575.	574.6	571.4	565.6	560.	557.	555.	557.6	560.7	43	30
30	569.2	574.6	577.4	575.	573.9	570.9	565.6	560.	556.8	554.9	557.6	561.4	49	30
36	569.9	573.5	576.1	575.	573.9	571.9	564.3	560.	556.	554.9	558.1	561.5	55	30
42	570.9	573.5	575.3	575.7	573.9	569.	563.	559.5	555.8	554.4	558.4	562.1	1	30
48	570.5	572.7	574.5	577.	573.1	568.	562.	559.	556.3	554.9	558.7	563.	7	30
54	570.3	572.2	574.3	575.9	572.1	567.6	562.	558.5	556.2	555.2	558.6	563.	13	30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
2	723.5	705.	728.7	731.2	722.2	727.9	713.	702.1	697.2	686.3	692.7	688.1	21 30
8	724.	707.7	727.	729.5	725.	729.9	709.7	703.5	698.5	687.	692.2	688.	27 30
14	725.	712.9	727.3	725.5	726.2	730.1	710.4	704.9	699.3	686.1	690.1	686.8	33 30
20	719.	723.6	728.	721.	727.5	727.4	707.6	704.3	696.	685.	690.	687.2	39 30
26	716.1	729.5	725.8	718.5	727.3	723.9	707.8	700.4	692.	685.	688.	684.9	45 30
32	714.	732.2	726.8	717.9	729.8	721.5	707.9	697.6	690.9	683.9	683.7	685.	51 30
38	714.9	734.4	731.1	718.	729.2	720.2	704.6	697.	686.4	684.3	683.5	684.7	57 30
44	714.1	736.6	734.5	717.5	727.	716.6	703.	697.2	684.	686.5	685.	682.8	3 30
50	709.3	731.7	735.9	718.2	726.5	717.9	702.	697.8	683.7	688.9	687.6	682.3	9 30
56	707.1	729.7	733.4	719.6	726.	715.4	700.5	697.1	685.3	691.	688.	681.7	15 30
Thermometer	82.	82.2	81.7	80.4	79.	77.4	76.	74.2	72.9	71.7	70.7	69.8	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
2	681.7	677.2	672.6	676.4	693.	705.2	707.6	706.5	706.9	692.5	685.2	687.3	21 30
8	681.2	673.7	673.5	677.6	693.7	705.	708.8	707.4	707.	692.	686.1	685.2	27 30
14	679.7	673.1	673.5	679.5	693.4	705.2	709.	707.6	702.9	692.	684.	688.7	33 30
20	678.6	674.	673.7	682.2	694.4	705.3	708.5	708.1	701.4	692.4	683.5	684.5	39 30
26	678.9	673.6	674.1	683.	695.7	705.6	708.3	708.5	704.7	691.2	682.9	685.2	45 30
32	679.	673.2	675.6	685.	700.	704.1	707.7	707.3	704.7	693.	680.8	686.2	51 30
38	677.5	674.8	675.6	687.2	701.6	709.5	707.1	704.8	704.7	697.8	682.5	687.	57 30
44	677.2	672.8	675.8	690.8	702.3	708.3	708.5	702.5	701.5	695.9	684.	687.9	3 30
50	677.6	673.5	676.1	692.3	703.4	708.6	709.	703.3	698.2	693.2	684.5	688.6	9 30
56	677.3	672.7	676.3	692.7	703.6	708.3	707.6	707.2	695.4	690.	685.	687.2	15 30
Thermometer	69.	69.	68.7	68.8	69.8	70.3	71.1	71.9	72.7	73.3	74.4	75.4	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
4	843.	849.	857.6	856.5	844.6	827.5	808.	789.8	773.	755.1	739.2	724.5	23	30
10	843.1	849.5	858.	355.9	844.	825.8	806.	788.1	771.5	751.	737.6	723.2	29	30
16	843.7	851.	858.	854.9	842.1	824.3	804.2	786.4	770.	751.	736.3	720.9	35	30
22	843.2	851.5	857.5	853.8	841.5	822.	801.8	785.	768.3	749.9	734.5	718.5	41	30
28	844.4	853.	858.2	853.	839.	820.1	805.7	783.4	766.5	735.	733.1	718.	47	30
34	845.1	853.8	858.4	851.2	837.	818.3	820.	782.1	764.3	746.3	732.1	717.2	53	30
40	846.	854.7	858.	850.2	835.5	816.1	796.6	780.4	762.	745.	730.3	716.	59	30
46	847.	856.	858.	849.6	833.5	813.9	793.7	778.6	760.	743.5	729.	714.3	5	30
52	847.8	857.7	857.8	848.3	831.5	812.3	793.2	777.2	758.2	741.8	727.8	712.7	11	30
58	848.	857.1	857.4	846.5	830.4	809.9	791.3	775.	756.5	740.3	726.7	711.2	17	30
Thermometer	82.7	83.	82.2	81.2	79.6	78.3	76.8	75.5	74.	73.	72.1	71.	Thermometer.	

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
4	708.9	700.8	698.	692.4	690.	691.6	697.5	708.3	719.	726.8	731.2	745.1	23	30
10	707.7	700.5	697.	691.6	690.3	692.2	698.4	709.9	720.	727.	732.4	746.8	29	30
16	706.2	700.	697.	691.2	690.5	692.4	699.	711.	721.	727.5	734.	748.	35	30
22	705.1	700.2	696.2	690.4	690.8	693.	700.	712.8	721.5	728.	735.9	749.	41	30
28	704.3	699.6	695.2	690.	691.	693.7	701.	714.	722.3	729.	737.	750.1	47	30
34	703.7	699.4	694.3	689.	691.	694.8	702.	714.9	723.1	729.3	738.6	751.7	53	30
40	703.3	699.5	694.2	689.	691.1	694.7	703.1	715.6	724.4	730.2	740.	753.	59	30
46	702.3	698.7	694.	689.	691.2	695.1	704.1	716.2	725.1	731.	741.3	754.	5	30
52	701.6	698.2	693.7	689.4	691.2	696.	705.7	717.	725.9	731.	742.7	755.1	11	30
58	700.9	698.6	693.6	689.6	691.3	696.8	707.1	718.	726.	730.6	744.	756.5	17	30
Thermometer	70.6	70.5	69.8	69.6	70.2	71.1	72.	73.	74.	74.8	76.2	76.8	Thermometer.	

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	..Observatory time.	
m.													m.	s.
0	558.7	563.	577.1	563.9	570.2	572.	569.9	565.8	566.1	565.1	565.6	568.5	19	30
6	559.4	564.4	573.9	566.8	574.7	569.	567.4	565.6	564.9	565.4	566.1	568.2	25	30
12	558.7	564.2	572.	569.7	580.7	569.2	566.2	563.9	564.5	563.9	567.	567.9	31	30
18	560.	565.	569.2	568.	577.3	571.5	566.1	565.7	563.	563.7	567.3	567.7	37	30
24	559.3	564.8	566.9	570.5	573.	574.2	565.2	566.4	560.	565.4	568.	567.7	43	30
30	562.2	565.7	564.2	569.3	571.7	576.2	565.3	566.	557.5	565.6	567.8	567.7	49	30
36	562.5	571.	560.7	570.2	575.6	574.8	565.2	565.7	562.8	565.8	568.7	567.5	55	30
42	563.4	580.5	562.1	571.7	573.5	574.3	564.	563.5	563.8	565.9	569.	567.4	1	30
48	563.7	585.	563.3	571.4	573.1	572.	563.5	564.4	563.7	565.2	568.6	567.	7	30
54	563.	581.4	563.2	570.5	573.4	571.	564.6	565.1	565.6	565.	568.8	567.5	13	30

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.	
m.													m.	s.
0	567.2	570.	573.1	580.2	579.	571.8	565.	556.3	549.6	548.5	551.	556.5	19	30
6	566.	570.	574.	579.6	578.7	571.1	563.9	554.4	549.	548.7	551.1	557.	25	30
12	566.1	569.6	574.1	580.9	577.6	570.6	563.1	553.9	548.	549.	551.9	557.5	31	30
18	567.	568.5	574.2	579.5	576.6	570.4	562.7	552.8	548.5	548.9	552.	558.	37	30
24	566.2	568.6	574.9	579.6	576.5	570.	561.8	552.	548.9	549.	553.	558.5	43	30
30	567.4	570.	575.	579.6	575.8	568.5	560.7	553.4	548.9	549.5	553.3	560.	49	30
36	568.6	570.	575.	580.	575.	567.9	559.6	551.5	548.4	550.	554.	560.	55	30
42	569.2	572.5	575.	580.2	574.1	566.3	558.6	551.3	548.	550.	554.8	560.9	1	30
48	569.1	573.3	577.5	580.	574.8	565.3	558.	550.9	548.7	550.	555.	561.	7	30
54	570.3	573.4	578.6	579.6	573.7	563.9	557.	550.	548.4	550.7	556.	561.2	13	30

Göttingen time..	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.	
m.													m.	s.
2	733.5	734.5	743.9	758.2	769.1	736.	750.	743.1	737.5	715.4	727.5	737.8	21	30
8	740.2	738.1	744.2	755.5	768.6	742.2	750.7	743.	740.5	712.9	725.6	739.2	27	30
14	746.	739.7	745.	757.5	757.	744.7	750.	742.3	739.4	711.6	726.	735.7	33	30
20	751.2	747.7	752.6	754.9	748.5	748.6	750.	740.2	739.9	714.7	726.9	734.6	39	30
26	756.7	758.7	754.5	764.8	752.8	747.3	750.6	739.	740.2	713.4	726.8	732.2	45	30
32	753.	771.4	759.8	771.9	756.2	745.5	746.6	740.3	739.	720.4	728.8	730.9	51	30
38	747.5	769.8	762.2	773.	734.7	745.3	747.1	738.8	736.7	724.5	730.4	727.6	57	30
44	747.5	759.1	761.5	763.2	732.8	747.	747.9	738.7	735.7	726.5	732.2	728.9	3	30
50	752.2	747.2	760.2	765.8	739.4	747.2	745.8	736.6	728.	730.9	735.6	728.5	9	30
56	753.	744.5	758.	765.7	743.1	748.7	746.	740.7	721.9	729.7	737.4	727.6	15	30
Thermometer...	84.	83.9	84.1	83.9	83.2	82.5	81.6	80.2	78.6	77.9	77.3	77.4	.... Thermometer.	

Göttingen time..	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	..Observatory time.	
m.													m.	s.
2	728.6	726.7	737.5	738.	757.8	773.4	767.7	759.7	749.	725.	721.2	725.5	21	30
8	730.6	726.1	738.1	737.6	761.2	770.8	766.4	761.	746.7	722.1	721.7	729.7	27	30
14	730.7	727.7	741.6	738.8	764.1	771.8	765.	758.8	748.	719.2	725.	724.3	33	30
20	727.6	727.8	739.9	739.1	760.3	770.9	764.8	760.1	742.	721.5	724.3	726.	39	30
26	729.3	728.7	737.2	742.4	755.7	770.9	762.5	759.	738.	716.7	723.	738.5	45	30
32	728.6	731.	735.4	743.9	762.7	769.3	762.6	756.	735.6	716.8	721.9	723.6	51	30
38	728.1	733.4	737.6	742.5	766.9	767.8	761.7	.....	733.6	718.3	722.8	721.6	57	30
44	727.2	737.2	737.2	742.8	771.3	767.3	761.1	753.2	731.	715.5	723.5	719.5	3	30
50	727.2	733.6	737.4	742.9	773.2	767.	759.4	753.2	726.4	719.7	720.	718.8	9	30
56	723.3	735.1	737.7	749.6	775.1	765.8	760.	752.	728.2	719.5	723.	720.	15	30
Thermometer...	77.5	77.7	77.3	77.6	78.3	78.9	79.5	80.2	81.2	82.2	83.2	83.9	.... Thermometer.	

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
4	835.9	845.5	850.	851.6	851.	851.6	844.9	830.4	822.7	814.1	801.5	795.6	23	30
10	837.	845.8	850.3	851.1	851.2	851.5	844.6	826.6	822.2	812.1	801.3	791.7	29	30
16	838.7	847.8	850.2	851.	851.9	851.	845.	827.7	820.5	811.4	801.7	791.3	35	30
22	839.	848.4	850.2	851.6	852.	850.1	837.	827.7	818.5	810.9	799.1	790.	41	30
28	842.	849.	850.	851.3	851.3	848.6	834.6	827.	818.2	810.7	798.7	790.	47	30
34	842.	850.1	850.2	851.7	852.	849.3	829.7	825.6	818.	812.7	798.5	790.3	53	30
40	842.2	851.1	850.	850.9	852.6	848.	834.8	825.4	815.9	808.5	799	788.	59	30
46	843.5	850.2	850.1	851.2	853.5	847.6	832 1	825.2	814.6	805.4	797.	788.	5	30
52	843.9	850.2	850.3	851.	853.3	846.5	832.8	824.8	814.4	805.	795.7	788.	11	30
58	845.	850.9	850.2	851.2	852.3	845.8	830.9	824.5	814.2	800.2	792.5	787.6	17	30
Thermometer	84.7	84.5	84.2	84.1	83.3	82.9	82.2	81.1	80.	79.	78.5	78.2	Thermometer.	

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
4	787.1	782.6	783.	782.5	779.1	784.2	789.7	797.6	807.	815.	805.	839.2	23	30
10	787.1	782.1	782.2	781.8	779.	785.4	790.5	798.1	806.7	816.	812.5	840.8	29	30
16	786.1	782.7	782.1	780.8	780.	786.	791.6	799.3	807.5	816.4	819.7	842.	35	30
22	785.4	782.3	782.	780.	780.8	787.2	792.9	800.	808.6	817.	823.7	842.1	41	30
28	785.1	782.4	781.8	779.7	782.1	788.1	793.4	801.	809.4	818.	828.	843.3	47	30
34	785.1	782.9	779.3	779.7	781.6	788.2	794.5	801.5	812.4	*814.	831.1	844.	53	30
40	785.	782.2	783.	780.1	783.2	788.9	794.9	802 8	811.4	*802.1	833.	844.	59	30
46	783.2	782.5	783.1	779.7	783.5	788.2	795.9	803.8	812.1	*768.4	835.	844.	5	30
52	783.	782.	784.6	779.1	783.5	788.2	796.1	804.6	813.	782.5	836.3	844.2	11	30
58	782.6	782.4	782.4	778.8	783.3	788.6	796.9	805.8	814.	796.2	838.	844.7	17	30
Thermometer	78.1	78.2	78.1	77.9	78.8	79.5	80.2	81.3	82.3	83.5	84.5	84.8	Thermometer.	

* Sun on west end of needle.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
0	558.7	561.	566.	567.	576.4	565.5	566.2	566.8	569.7	563.7	566.3	574.8	19	30
6	557.	561.	564.	574.	573.	566.7	567 3	567.1	564.4	565.	567.	573.8	25	30
12	556.2	561.	563.8	586.	574.1	566 2	566.8	667.7	568.6	563.4	569.6	573.2	31	30
18	556.6	563.	565.	601.8	572.9	565.6	566.	569.	569.8	560.6	570 9	573.	37	30
24	557.5	564.	564.1	614.2	570.2	565.1	566 8	567.8	563.2	561.4	572.3	571.7	43	30
30	558.5	564.	564.2	613.2	567.	565.6	566.1	567.9	561 2	564.2	572.9	572.9	49	30
36	557.2	563.	564.2	608.9	567.6	566.	565.4	569.1	562.5	566.	572.6	573.3	55	30
42	558.5	561.6	564.5	607.5	567.5	566.2	565.7	570.	560.8	565.8	572.4	574.6	1	30
48	559.	561.5	564.3	600.	565.5	565.4	565.7	572.	560.8	565.2	572.8	573.3	7	30
54	560.1	566.	564.	589.2	564.3	565.8	567.	571.1	561.5	565.9	573.	575.5	13	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
0	573.9	564.5	577.4	578.	578.5	577.4	570.7	565.1	559.5	553.5	553.5	557.1	19	30
6	572.4	565.5	577.6	575.9	577.6	576.2	569.7	564.7	559.3	553.8	554.2	557.9	25	30
12	570.6	567.	578.2	576.6	577.4	575.	569.8	563.6	559.2	552.7	554.9	558.	31	30
18	566.9	568.3	578.7	577.7	579.5	573.5	569.5	563.4	558.	551.6	553.2	558.	37	30
24	565.8	571.	579.8	577.4	577.7	573.	568.6	562.9	557.3	552.5	553.1	557.7	43	30
30	563.3	573.9	580.6	576.6	576.	573.7	567.8	562.4	558.2	549.8	553 7	558.	49	30
36	562.6	575.3	580.6	577.5	576.2	573.6	567.7	560.8	558.4	550.6	553.4	559.	55	30
42	562.	575.6	581.	574.6	575.9	573.5	568.	560.5	557.3	551.6	554.	558.6	1	30
48	562.3	576.8	578.8	577.1	576.	571.1	566.8	560.9	556.8	552.6	555.2	559.	7	30
54	564.3	577.1	578.1	577.6	576.8	572.2	565.8	560.	555.3	552.5	556.	559.	13	30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
2	721.5	744.6	726.7	736.5	720.2	706.4	705.4	703.7	696.2	699.6	704.4	707.1	21	30
8	723.3	740.5	718.7	743.5	714.7	707.2	702.7	700.9	699.4	702.	706.7	704.2	27	30
14	726.4	740.	720.4	747.5	716.5	697.5	699.8	708.3	705.7	703.7	702.8	705.2	33	30
20	739.	741.6	719.2	739.9	706.6	705.	707.7	701.	706.8	708.9	704.	703.4	39	30
26	738.3	739.4	720.2	713.5	706.2	698.8	701.3	702.5	706.5	709.6	706.1	693.	45	30
32	740.5	737.5	721.5	696.	713.1	702.2	705.2	707.	712.2	703.5	707.6	697.7	51	30
38	743.	734.5	722.	691.5	712.	701.5	705.6	699.2	708.6	705.	710.3	695.6	57	30
44	744.6	736.8	719.7	683.5	709.2	695.2	705.	695.5	705.3	704.3	710.4	705.7	3	30
50	750.	736.2	720.	693.8	711.2	704.6	701.4	689.7	701.7	704.	709.6	705.5	9	30
56	746.7	734.8	728.5	697.2	709.5	701.7	699.5	694.3	705.2	703.9	708.9	708.8	15	30
Thermometer	72.7	71.9	71.	70.9	71.9	73.	73.9	73.7	72.9	72.	71.3	69.8	Thermometer.	

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
2	702.4	703.8	678.3	706.4	723.1	724.6	732.9	732.	721.5	731.8	724.5	707.4	21	30
8	707.8	702.6	676.9	697.7	720.5	727.9	736.	727.7	717.4	725.	721.5	694.7	27	30
14	707.	700.3	675.8	700.	717.4	735.4	737.3	725.4	724.3	722.3	714.5	700.	33	30
20	707.6	697.2	674.7	701.1	719.2	728.2	736.9	722.	726.3	725.1	715.	696.5	39	30
26	706.9	698.3	674.6	707.3	721.5	727.5	733.4	728.	717.5	722.5	712.2	700.	45	30
32	705.3	688.6	698.2	703.6	720.8	726.	731.	727.	712.	728.5	710.3	699.	51	30
38	704.7	688.9	704.1	710.1	725.7	729.1	737.7	728.1	713.9	733.8	709.5	695.	57	30
44	704.2	689.6	706.1	716.	719.7	731.2	734.5	722.3	714.2	722.1	711.5	686.8	3	30
50	705.	683.2	700.1	713.5	725.6	732.8	733.8	723.7	717.9	721.4	711.2	690.	9	30
56	705.8	680.2	700.4	718.2	725.	733.4	732.	717.7	727.7	720.9	708.7	690.2	15	30
Thermometer	69.9	70.5	70.6	70.5	69.9	70.	69.5	69.1	69.1	68.7	68.2	68.2	Thermometer.	

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.	
m.													m.	s.
4	772.9	767.	758.	752.7	765.6	781.5	807.2	831.1	835.8	829.3	819.7	811.	23	30
10	772.2	766.	757.	753.7	766 4	784.4	809.4	831 5	835.5	828.5	818.5	816.2	29	30
16	772.	765.	756.3	756	768.	786.2	811.2	832.	834.6	827.1	818.1	807.4	35	30
22	772.	764.	755.2	756.7	769.6	788.9	813.5	832.2	833.5	826.1	817.4	805.5	41	30
28	771.	763.	754.7	757.5	771.	791.1	816.3	833.1	832.6	825.5	816.5	804.3	47	30
34	770.1	763 5	754.	758.9	772 6	793.7	817 5	833.6	832.3	824.6	816.2	804.	53	30
40	770.	761.	753.2	760.2	774.	797.1	819 1	834.5	831 6	823.5	815 1	803.9	59	30
46	769.	760.	752.7	762.	776.5	.....	821.4	835.2	831.1	822.1	813.9	803.	5	30
52	768.9	759.	751.9	763 6	777.2	802.4	821.4	836.	830.7	821.7	813.2	802.5	11	30
58	768.	758.6	751.4	764.	778.9	804.9	822.9	836.	830.4	820.8	812.6	801.	17	30
Thermometer...	74.6	73.7	72.8	74.	75.8	78.	79.3	78.8	77.6	76.6	75.4	74.3	....Thermometer.	

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	..Observatory time.	
m.													m.	s.
4	799.	797.2	803.6	798.5	796.8	792.	788.6	785.4	780.5	776.9	763.5	756.	23	30
10	797.	799.2	802 9	798.7	796.7	791.5	788.6	784.9	780 4	775.9	762.9	755.	29	30
16	796.2	800.2	802.	798 6	796.5	791.5	788.4	784.4	780.	774.8	761.7	754.	35	30
22	795.3	804.1	802.	798.1	797.	790.8	788.	784.1	780.1	773.7	761.3	753.9	41	30
28	793.6	799.7	801.9	797.4	795.5	791.	787.6	783 6	780.	772.1	761.	753.4	47	30
34	793.2	801.7	800.6	797.6	794.4	790.5	787.3	782.6	778.8	770.5	760.4	753.	53	30
40	793 4	802.1	800 2	797.1	794.5	790.9	787.2	782.2	778.5	768.	759.8	752.	59	30
46	792.7	802.2	800.	797.5	793.5	790.6	786.	782.	778.5	765.1	759.	751.4	5	30
52	793.2	803.	799.6	797.2	793.	790.1	786.4	781.2	778.1	764 9	758.3	750.6	11	30
58	794.2	803.2	799.2	797.2	792.4	789.7	785.7	781.	777.4	764.3	758.	749.6	17	30
Thermometer...	74.4	76.	75.7	75.4	75.	75.	74.7	74.4	74.6	73.5	72.9	72.8	....Thermometer.	

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
0	555.2	559.	559.9	563.7	565.8	561.3	560.9	560.2	556.4	559.1	557.4	557.1	19 30
6	555.4	559.1	560.1	564.	565.6	560.5	561.2	560.	557.3	555.3	557.7	557.6	25 30
12	559.3	561.	560.	567.	564.4	561.4	561.1	559.	558.6	554.2	557.7	557.3	31 30
18	561.1	561.1	559.2	570.5	562.3	561.3	561.3	559.	557.1	554.4	557.	557.6	37 30
24	561.	560.	558.8	573.	563.	561.	561.5	559.8	556.5	554.5	557.2	559.5	43 30
30	560.2	560.	558.7	571.7	562.	560.9	560.1	559.5	556.5	554.4	556.5	558.4	49 30
36	560.	560.7	559.1	568.2	563.	560.5	560.6	559.2	557.	554.7	556.7	558.3	55 30
42	560.7	560.4	558.4	566.	562.6	560.6	560.1	558.8	557.	555.5	556.4	558.8	1 30
48	560.	560.3	558.8	565.8	562.2	560.4	560.4	558.5	558.5	556.9	557.4	558.8	7 30
54	559.5	560.4	562.2	565.	561.2	560.6	561.1	557.1	559.	557.4	556.2	558.9	13 30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
0	559.5	559.5	561.4	563.4	569.	565.5	557.8	552.6	548.5	548.3	553.5	555.	19 30
6	559.7	559.1	562.4	563.1	568.7	564.6	557.2	552.7	548.4	547.7	553.8	554.7	25 30
12	558.1	559.4	562.9	562.7	567.4	564.	556.7	551.5	549.	549.	554.5	556.	31 30
18	558.3	558.9	563.3	563.8	567.1	563.7	557.1	550.7	548.2	549.1	554.5	556.	37 30
24	562.3	559.7	562.7	565.1	565.	563.	556.7	550.5	548.2	549.6	553.9	557.	43 30
30	561.7	560.4	564.	565.	565.	562.	555.1	551.3	548.7	552.	555.	557.2	49 30
36	559.	560.	561.5	566.6	565.2	561.	554.7	550.2	547.6	552.5	553.3	557.1	55 30
42	558.	561.	561.5	568.5	565.2	560.1	553.8	549.4	548.	552.3	554.2	557.5	1 30
48	558.4	562.2	560.8	568.8	565.5	559.5	553.7	549.3	547.8	552.9	554.2	558.2	7 30
54	558.3	563.	562.5	568.7	565.1	658.4	553.	549.	548.2	553.5	554.7	558.5	13 30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
2	779.1	787.4	765.4	780.2	773.3	769.2	765 9	768.1	759.5	774.	767.9	769.4	21	30
8	799.1	789.5	767.8	779.3	772.	769.8	766.6	769.2	763.1	778 6	768.6	771.	27	30
14	798.3	786.2	768.3	784.1	769.2	767.3	764.3	768.4	763.1	778 4	768.2	770.6	33	30
20	789.6	782.	770.4	785.7	769.	768.4	762.	768.8	763.6	773.6	768.4	771.1	39	30
26	785.7	777.	770.6	780.	770.8	767.7	767.2	768.5	766.4	772.1	770.7	773.3	45	30
32	782.8	775.5	771.6	780.	770.6	768.1	769.2	769.2	768.9	769.4	770.5	772.1	51	30
38	787.5	773.7	774.5	779.	769.4	766.6	768.8	769.	770.4	767.	770.6	770.9	57	30
44	788.4	771.7	780.5	779.	767.8	767.1	768.8	765.9	769.3	766.1	771.2	770.9	3	30
50	788.8	768.	779.	777.5	766.5	765.3	771.5	761.2	770.5	766.5	769.4	772.2	9	30
56	785.3	768.1	781.7	775.4	767.9	765.2	770.3	755.9	771.3	767.2	769 6	771.9	15	30
Thermometer	64.8	64.2	64.5	64.5	64.2	63.9	64.	65.4	66.6	67.2	67.	67.3	Thermometer.	

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
2	772.5	766.9	771.8	793.7	792.8	808.	816.3	812.4	810.2	795.4	779.8	781.	21	30
8	772.6	766 4	769.9	795.9	792.6	808.5	816.3	813.4	809.7	796.	778.7	779.6	27	30
14	773.8	768.5	770.9	794.4	795.3	810.3	816.	813.7	803.4	796.4	777.5	777.4	33	30
20	772.5	769.7	773.1	794.1	793.1	811.3	814.7	812.2	802.9	795.2	779.7	775.5	39	30
26	770.6	770.	776.1	793.6	795.6	810.8	815.	809.1	800.	791.	774.8	774.4	45	30
32	769.7	769.6	778.6	794.2	798.2	814.1	813.7	808.4	797.2	789.8	770.8	774.8	51	30
38	768.7	770.7	783.1	791.5	800.2	814.1	813 9	808.9	797.8	786.1	773.2	773.	57	30
44	772.	769.6	788.7	790.5	804.1	814.3	813.5	811.5	797.1	784.3	775.	770.8	3	30
50	772.7	768.6	793.6	789.3	806.5	814.7	812.	813.5	795.3	781.5	779.5	764.6	9	30
56	771.9	767.2	796.1	791.5	808.2	816.2	811.7	810.1	790.5	782.	779.	766.1	15	30
Thermometer	67.2	67.7	68.5	68.8	69.7	69.9	69.3	68.3	67.3	66.4	65.3	64.2	Thermometer.	

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
4	727.8	719.	707.9	710.6	711.8	713.6	714.7	724.9	747.4	763.	771.4	773.4	23 30
10	728.	718.4	711.	711.2	712.	713.9	714.2	726.7	749.1	763.7	771.5	773.4	29 30
16	727.	716.9	710.	712.	712.	714.4	715.1	728.5	751.	764.6	771.4	773.6	35 30
22	726.	716.	709.	712.	712.2	714.1	716.	731.	752.9	765.6	771.8	775.7	41 30
28	725.4	714.1	709.2	711.6	712.3	714.1	716.4	732.8	755.	766.9	771.5	776.3	47 30
34	724.7	713.1	709.5	711.	713.	714.	717.1	734.8	756.5	768.	771.5	777.2	53 30
40	723.6	712.6	709.7	711.	712.9	714.	718.5	737.	758.	769.	771.7	778.	59 30
46	722.7	712.2	709.8	711.	712.9	714.	720.1	739.5	759.5	769.8	771.6	778.7	5 30
52	722.	711.7	710.7	711.5	713.	714.	721.2	742.	761.	770.6	771.6	779.5	11 30
58	720.	711.2	711.	711.8	713.1	714.1	723.	744.8	762.	771.1	772.8	779.7	17 30
Thermometer	67.7	67.	67.4	67.4	67.4	67.5	67.9	70.	71.3	71.8	71.8	72.3	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
4	780.	779.7	797.6	803.3	806.5	816.9	820.8	815.5	802.	783.5	764.	746.7	23 30
10	780.3	784.1	800.2	803.3	807.3	817.6	821.	814.5	799.5	781.5	762.	744.7	29 30
16	779.9	785.2	801.	803.2	808.7	818.5	820.6	813.3	797.6	780.5	760.5	742.8	35 30
22	781.2	786.6	802.	803.1	809.5	819.4	820.3	812.1	795.9	778.6	758.7	741.	41 30
28	781.	787.7	802.6	803.1	810.5	819.7	819.8	810.5	793.8	776.5	756.7	738.8	47 30
34	.....	789.	802.5	803.7	811.6	820.2	819.6	808.8	792.	774.6	754.2	736.7	53 30
40	778.6	790.6	802.1	803.8	812.3	821.	818.5	807.5	790.1	772.8	752.7	734.	59 30
46	778.5	793.4	802.7	804.	813.6	821.	817.8	806.	788.6	770.6	751.	731.7	5 30
52	779.	795.	802.8	804.5	814.6	821.	816.9	805.	786.6	768.5	750.	729.	11 30
58	778.9	796.2	803.3	805.2	816.	820.7	816.3	803.	784.6	766.5	748.2	727.	17 30
Thermometer	73.3	73.7	74.3	74.4	75.1	75.4	74.5	73.1	72.	70.9	69.7	67.8	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
0	561.	563.5	563.8	563.7	564.	564.5	563.5	563.	563.5	563.4	563.8	563.5	19	30
6	561.	564.2	563.2	563.1	564.	566 8	563.7	563 2	563.2	563 2	563.9	563.7	25	30
12	562.4	564.6	563.5	564.	563.9	568.1	563.4	563.	562.8	563.1	562.8	563.1	31	30
18	562.	564.	563.8	563.3	564.2	568.5	.....	563.4	563 7	563.3	563.3	563.6	37	30
24	562.2	563.8	563.7	564.	564.	567.5	564.8	562.6	564.	563.5	563.2	563.2	43	30
30	562.3	563.8	563.6	563.2	563.5	565.6	565.7	562.7	563.5	564.	563.5	562.3	49	30
36	562.	564.2	563.	563.7	563 6	564.4	565.9	562.5	564.	563.4	562.7	562.	55	30
42	562.4	564.5	563.5	564.	563.3	563.5	564.9	562.8	563.8	563.5	562.2	561.2	1	30
48	563.	565.	563.7	564.4	564.	562.7	564.1	563.	564.4	563.1	563.9	560.4	7	30
54	563.4	563.5	563.5	563.8	563.5	562.4	563.5	562.5	563.8	564.	564.2	560.4	13	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
0	560.7	565.2	564.3	565.6	565.3	568.3	563.3	562.	558.5	557.8	558.	558.	19	30
6	560.8	566.8	565.5	565.9	566.2	567.2	563.2	561.5	558.7	558.3	557.8	558.2	25	30
12	560.9	566.9	565.3	566.	566.8	567.3	563.	560.8	558.1	557.4	557.6	558.3	31	30
18	561.	565.7	565.4	566.7	567.6	567.2	563.3	559.5	558.1	557.5	557.8	558.1	37	30
24	561.1	565.2	565.8	566.2	566 3	566.8	563.5	559.	558.	557.1	557.7	558.6	43	30
30	562.1	563.9	566.4	566.2	565.5	566.3	563.3	558.7	557.9	557.1	557.8	559.2	49	30
36	562.8	565.2	566.3	566.3	565.5	566.5	562.8	559.	557.6	557.4	558.	559.4	55	30
42	563.8	564.1	566.2	566.5	565.7	565.6	563.2	558.3	557.6	557.3	558.1	559.1	1	30
48	565.3	564.1	566.6	566.6	567.7	565.3	562.8	558.7	557.6	557.9	558.1	559.3	7	30
54	565.2	564.3	566.	565.	567.6	564.	562.7	558 6	557.7	557.8	558.1	559.3	13	30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
2	783.5	781.	782.	785.7	787.9	792.9	789 3	796.8	795.5	790.	789.7	786.4	21 30
8	782.2	781.4	782.9	784.4	789.3	791.9	789.5	796.3	790.8	789.7	789.	788.4	27 30
14	779.5	779.	783.4	786.7	780.2	792.2	791.	796.2	791.7	791.2	787.3	788.7	33 30
20	783.	778.4	783.	787.	789.1	792 4	790.5	794.2	791.2	791.5	786.1	785.3	39 30
26	782.1	782.7	783.7	787.	787.3	788.6	792.5	797.	791 3	790.4	786.3	787.5	45 30
32	780.7	780.2	784.2	787.5	791.	794.3	791.1	795.4	793.2	790.2	789.5	787.1	51 30
38	782.7	780.3	784.	787.7	788.4	794.	793.2	796.1	791.1	791.5	787.6	785 4	57 30
44	781.3	780.4	783.5	788.	791.2	794.2	795.7	796.3	791.	788.3	786.8	785.4	3 30
50	782.8	783.	784.	786.	789.6	794.1	795.9	793.5	789.5	786.5	787.6	785.5	9 30
56	782.4	779.5	785.5	788.8	794.	792.1	796.5	795.5	790.2	788.3	785 5	784.7	15 30
Thermometer	61.1	62.	62.3	62.3	62.3	62.7	62.9	62.9	62.1	62.	62.2	61.5	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
2	782.4	767.4	771.5	773.1	776.5	782.5	781.1	782.2	780.4	782.5	784.	779.5	21 30
8	782.2	770.	768.2	775.6	781.3	782.2	780.6	785.1	779.6	781.2	782.3	778.	27 30
14	780.6	770.	767.9	772.	782.6	781.5	780.3	785 4	778.	780.3	783.5	778.7	33 30
20	779.6	775.1	767.9	768.2	781.4	781.5	780.	783.5	780.	782.6	780.9	780.7	39 30
26	778.3	772.1	769.2	770.9	783.3	779.4	779.6	787.1	780.8	782.5	782.1	778.5	45 30
32	777.3	774.9	770.7	772.2	782.	777.6	780.	784.2	782.7	785.2	783.7	779.6	51 30
38	778.2	771.5	767.7	778.7	785.8	780.1	777.3	780.5	782.	781.8	783.2	782.	57 30
44	773.8	767.5	769.	775.2	784.2	779.3	782.4	781.	781.2	786.6	780.3	783.	3 30
50	771.2	768.7	770.5	775.1	784.1	779.	780.	779.3	781.6	783.5	780.4	782.2	9 30
56	772.7	768.	769 5	778.1	783.7	780.4	781.3	782.2	780.6	784.6	782.	785.1	15 30
Thermometer	61.4	61.9	61.7	62.	61.8	60.9	61.	62.5	63.5	64.	64.2	64.6	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
4	704.2	706.5	717.3	718.5	718.	723.	727.5	733.5	728.	725.1	723.4	719.3	23	30
10	705.	708.	717.8	718.4	717.9	723.3	727.9	730.8	727.7	723.4	719.7	719.1	29	30
16	704.4	709.5	718.5	718.4	718.1	724.4	728.8	730.9	727.3	723.1	720.4	717.2	35	30
22	704.1	711.1	718.	718.	718.6	724.3	729.2	731.5	726.5	723.4	720.3	717.	41	30
28	704.	711.7	718.5	718.1	720.	724.5	730.	731.3	726.	723.	720.7	715.9	47	30
34	704.	713.	718.4	717.5	720.	725.2	731.	731.4	725.7	723.1	721.7	714.1	53	30
40	703.6	712.5	718.5	718.	722.1	725.6	731.9	730.7	725.6	723.3	719.6	714.8	59	30
46	704.	713.9	718.8	717.9	721.	725.9	732.	730.3	725.	723.	720.5	713.9	5	30
52	704.5	715.5	718.5	718.	722.	726.2	732.8	729.8	724.5	723.1	720.2	713.5	11	30
58	705.	716.4	718.9	718.	722.2	726.8	733.2	728.8	721.2	723.6	719.7	712.2	17	30
Thermometer	66.	67.2	67.4	66.9	67.1	67.8	68.3	68.3	67.2	67.3	67.6	66.3	Thermometer.	

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
4	712.3	718.2	725.	723.7	722.7	720.5	708.2	710.5	723.6	735.	738.8	745.2	23	30
10	714.	717.6	725.	723.6	723.	720.3	706.9	712.2	724.8	735.9	738.9	746.5	29	30
16	712.6	719.3	724.1	724.	723.	719.9	706.	713.7	726.1	736.8	739.7	747.9	35	30
22	712.6	721.	724.3	724.1	722.6	718.2	705.3	715.	727.5	736.9	740.	748.8	41	30
28	712.6	722.6	723.9	724.4	721.6	717.	705.1	716.6	728.6	737.5	741.	749.8	47	30
34	713.7	722.4	723.9	723.2	720.8	715.3	705.5	717.6	729.7	737.9	741.4	750.5	53	30
40	713.3	723.	723.7	723.3	721.	713.6	706.3	719.	731.4	737.6	741.7	751.	59	30
46	715.2	724.1	723.9	723.3	721.2	712.4	707.5	720.1	732.1	738.3	742.1	751.4	5	30
52	716.9	725.	723.5	722.9	720.8	711.	708.1	721.2	733.4	738.3	742.8	752.1	11	30
58	717.1	724.6	723.9	723.1	721.4	709.3	709.4	722.5	734.1	738.6	743.9	752.5	17	30
Thermometer	66.8	68.1	67.7	67.7	67.7	66.	66.2	68.3	69.3	69.7	70.2	70.2	Thermometer.	

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
0	558.5	559.3	562.2	562.4	562.6	564.6	561.5	560.5	561.2	560.9	560.2	557.2	19 30
6	558.1	559.	561.8	563.	562.5	564.9	562.	560.5	560.	561.3	558.5	560.8	25 30
12	558.4	559.	561.7	563.3	562.4	564.	562.5	560.	560.6	560.8	557.	563.6	31 30
18	559.	559.5	562.	563.2	562.4	564.2	561.3	559.	560.2	561.	555.5	564.	37 30
24	559.	558.7	562.7	563.	563.	564.7	560.	558.8	560.7	559.8	553.1	565.5	43 30
30	559.5	559.7	561.5	564.	562.7	562.5	559.1	558.7	561.	560.9	552.5	565.8	49 30
36	559.5	559.9	562.	562.7	563.7	561.7	560.1	560.3	560.1	560.5	551.3	566.7	55 30
42	559.	560.5	562.	563.	564.7	561.7	561.1	561.7	560.5	560.8	552.3	566.5	1 30
48	559.	562.	561.5	563.	567.	561.	560.	562.5	561.1	561.	554.2	567.3	7 30
54	559.	561.	563.	563.	566.	562.	560.1	561.3	561.1	560.7	555.4	567.6	13 30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
0	566.9	564.6	563.4	563.4	565.8	567.1	562.5	555.4	555.5	555.9	556.5	557.2	19 30
6	565.4	564.1	564.	564.2	566.	566.2	562.3	555.2	555.2	555.2	556.1	557.7	25 30
12	564.7	564.1	563.8	564.7	566.4	566.4	561.4	555.5	555.7	555.	555.6	558.4	31 30
18	564.7	564.2	564.1	564.8	566.5	566.7	561.3	555.6	555.2	554.7	555.7	558.2	37 30
24	564.6	564.	564.3	564.9	566.3	565.5	560.4	555.3	554.5	554.7	556.2	558.6	43 30
30	565.	564.	563.6	564.9	566.7	565.	559.9	555.6	554.9	555.	557.2	558.6	49 30
36	565.	563.6	563.5	565.3	566.6	565.3	559.5	556.	555.2	555.	558.5	558.6	55 30
42	565.	564.2	563.7	565.6	566.5	565.5	558.3	556.4	555.9	554.4	556.7	559.1	1 30
48	565.	564.	563.7	566.	567.	564.	557.6	555.	555.6	555.5	557.	559.5	7 30
54	564.9	563.	563.9	566.6	567.	563.3	556.2	555.	555.5	555.5	557.7	559.6	13 30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
2	774.2	773.5	771.1	774.7	773.5	775.4	779.5	783.	785.5	785.7	785.5	773.7	21	30
8	772.	773.5	775.	772.	772.1	778.7	778.5	782.6	783.3	789.	784.5	772.7	27	30
14	772.2	774.2	774.9	774.	768.	776.5	780.2	782.4	784.2	787.7	783.9	773.6	33	30
20	774.2	774.	773.	774.1	775.1	777.	782.5	780.5	786.6	789.3	782.3	778.2	39	30
26	774.7	776.6	774.	770.2	777.	775.2	782.7	780.5	784.8	787.2	782.5	772.8	45	30
32	772.7	775.2	774.5	774.9	777.2	776.2	782.3	780.2	784.4	787.	777.9	773.2	51	30
38	772.5	776.	773.7	775.2	778.4	778.	782.2	778.4	784.9	787.5	776.	767.4	57	30
44	773.7	773.	772.5	775.5	776.7	776.	782.4	781.7	780.4	784.7	776.6	772.2	3	30
50	775.4	774.7	772.7	773.	774.7	779.7	781.5	784.2	783.8	785.5	775.2	772.9	9	30
56	773.	775.5	772.7	775.5	776.7	778.7	780.5	782.4	784.	786.9	772.8	773.6	15	30
Thermometer	58 3	58.8	58.7	59.1	59.7	60.2	60 7	60.9	61.3	61.3	60.5	60.2	Thermometer.	

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
2	773.6	773.2	773.4	771.7	767.7	773.2	781.6	787.	783.9	779.	767.4	760.2	21	30
8	774.1	773.5	773.2	767.3	768.8	773.7	783.	786.3	783.7	776.	775.4	757.1	27	30
14	774.5	773.3	773.1	767.7	766.8	772.6	785.5	788.5	782.4	778.2	772.	755.1	33	30
20	772.5	773.6	769.8	771.2	767.8	772.4	786.7	788.9	781.2	778.5	768.7	752.2	39	30
26	773.9	773.5	767.2	771.7	769.8	772.6	786.7	790.2	783.6	778.7	764.2	752.7	45	30
32	772.5	773.7	766.6	772.	768.	775.	787.2	784.4	783.9	776.8	766.	749.9	51	30
38	773.2	773.9	768.7	771.2	772.	777.1	785.7	783.3	781.5	774.	764.7	753.	57	30
44	772.5	773.7	766.5	769.7	769.7	777.3	786.8	781.3	781.5	776.5	762.2	749.6	3	30
50	772.9	773.9	770.6	769.2	771.8	777.5	786.3	786.4	780.9	775.8	764.7	747.2	9	30
56	773.1	773.5	767.6	769.4	771.5	780.2	786.4	787.5	784.3	772.9	761.2	750.4	15	30
Thermometer	59.9	59.4	59.	58.6	57.9	57.5	57.4	57.4	58.2	58.8	57.7	57.2	Thermometer.	

Göttingen time..	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.	
m.													m.	s.
4	675.	668.4	667.2	671.	678.7	687.	686.	683.1	682.7	682.6	681.1	680.9	23	30
10	674.	668.	667.2	672.	679.	688.	685.	683.3	682.8	684.	680.8	681.1	29	30
16	673.7	667.9	668.	672.7	680.	688.7	685.	682.9	682.9	682.9	681.	680.4	35	30
22	672.3	667.	668.7	673.	680.7	689.	684.3	683.	682.9	683.1	680.2	680.3	41	30
28	672.	667.	669.	674.	681.5	689.	684.	683.	683.	683.1	680.5	678.7	47	30
34	671.	667.	668.5	674.7	683.2	688.6	683.7	683.	683.	683.	680.1	678.2	53	30
40	670.5	667.	669.	675.	683.9	688.	683.7	683.2	682.6	682.6	680.5	677.1	59	30
46	670.	667.	669.	676.	684.5	687.8	683.8	683.	682.9	682.5	680.1	676.5	5	30
52	669.9	667.	670.	676.5	685.5	686.2	683.4	683.	682 6	682.	681.1	676.1	11	30
58	669.	667.	670.5	677.5	686.	686.3	683.3	683.	682.5	682.1	680.9	675.8	17	30
Thermometer ...	62.	61.9	62.2	62.9	63.5	64.3	64.2	64.2	64.3	63.7	63.2	62.7	.... Thermometer.	

Göttingen time..	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	..Observatory time.	
m.													m.	s.
4	674.6	675.8	677.	674.9	669.	658.7	651.1	642.2	646.3	665.3	673.3	670.6	23	30
10	673.9	676.	677.	674.7	667.1	657.9	651.	643.9	647.3	667.2	673.5	670.3	29	30
16	673.9	675.9	676.5	674.	666.	657.	650.	641.1	650.	669.	673.8	669.3	35	30
22	674.	676.2	676.2	674.	665.	655.8	648.7	640.6	651.5	670.2	674.	669.4	41	30
28	674.3	676.3	676.	673.9	664.	655.1	647.8	641.1	653.7	671.	673.5	668.7	47	30
34	675.	675.3	675.8	673.9	663.4	654.2	647.3	641.9	655.5	672.1	673.4	668.6	53	30
40	675.	676.7	674.8	672.9	662.4	653.7	645.8	642.3	657.2	672.3	672.5	668.7	59	30
46	675.1	677.	675.6	671.7	661.9	652.8	644.7	642.6	659.	672.6	671.7	668.9	5	30
52	675.3	677.	675.5	671.1	661.9	652.2	643.8	643.5	661.2	673.	671.	669.	11	30
58	675.4	677.	675.2	670.	660.1	651 4	643.	645.1	663.4	673.2	671.1	669.4	17	30
Thermometer ...	62.4	62.4	62.3	61.7	60.5	60.	59.7	60.3	62.	62.8	61.5	61.	.... Thermometer.	

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

EXTRAORDINARY MAGNETIC OBSERVATIONS.

MAXIMA AND MINIMA,

FROM JANUARY TO JUNE, 1842.

GENERAL NOTE.

The observations of the preceding eighteen months having shown distinct periods of maximum and minimum in the declination, vertical and horizontal forces, respectively, an attempt was made to ascertain the times of maximum and minimum more closely, by observations at short intervals, at periods of the day including the above phenomena. The observations thus made are recorded in the following pages, under the titles of Maxima and Minima, whether they separately indicate or not the periods sought.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	6 00	6 06	6 12	6 18	6 24	6 30	6 36	6 42	6 48	6 54
Observatory time	0 19½	0 25½	0 31½	0 37½	0 43½	0 49½	0 55½	1 01½	1 07½	1 13½
Jan. 1	561.	560.7	559.8	559.2	559.3	558.	558.	558.	557.9	559.1
3	562.8	563.1	562.3	562.2	562.8	562.	562.	561.8	562.2	561.8
4	547.	547.7	546.	547.7	547.1	547.3	546.8	546.3	546.1	546.3
5	556.	555.7	555.1	555.	554.1	553.2	552.9	553.	552.6	553.1
6	554.1	553.2	553.4	552.8	552.6	552.9	552.1	552.1	552.7	553.9
7	572.6	575.5	573.2	570.	569.	569.1	573.4	563.	569.7	572.2
8	569.7	569.8	569.8	569.1	570.	570.1	570.	570.	570.	570.
10	568.9	568.9	568.9	568.9	568.8	569.	569.	569.	569.	569.
11	572.9	574.5	572.6	572.8	571.8	572.7	572.3	573.5	573.1	573.2
12	572.8	572.9	572.8	573.	574.2	575.2	577.	578.3	578.	578.
13	567.1	567.3	567.1	566.8	566.6	566.7	566.8	566.5	566.5	566.6
14	565.5	566.1	565.6	566.	566.1	566.2	565.	565.1	565.1	565.2
15	568.9	568.8	568.9	568.5	568.6	568.4	568.2	568.2	568.6	568.7
17	567.9	567.9	567.7	567.6	567.6	567.5	567.4	566.8	566.4	566.7
18	564.5	564.5	565.	566.7	569.6	569.6	.....	.....	.....	.....
19	572.	571.1	572.	.....	572.5	.....	.....	568.7	568.1	568.2
20	569.6	570.2	570.1	569.6	569.4	569.3	569.4	571.5	571.8	572.2
21	568.4	567.9	568.6	569.7	569.8	570.3	569.7	569.	569.5	569.5
22	566.9	566.8	567.	567.1	567.1	567.6	566.9	567.	567.3	566.
24	568.2	568.	567.3	568.4	567.6	568.5	570.4	571.9	573.	574.5
25	573.4	573.5	573.6	572.3	572.	572.6	573.7	574.	572.8	572.2
26	566.9	566.5	566.	566.6	567.	567.3	567.4	567.4	567.1	566.6
27	571.2	571.2	570.4	571.1	570.3	570.1	569.4	569.2	568.5	568.2
28	566.1	565.6	565.8	565.3	565.6	566.5	565.6	565.8	565.3	565.5
29	568.4	568.8	568.6	568.5	568.6	566.7	567.5	568.2	568.8	568.2
31	563.1	561.4	562.1	561.9	559.7	558.9	558.5	559.2	561.5	564.3
Means	563.7	563.7	563.4	563.1	563.4	563.	562.9	563.	563.4	563.7

NOTE.—The readings of the declinometer from 22*h.*, January 6, to 22*h.*, January 29, are too large, by 3.5 divisions of scale, the mirror being out of adjustment during that time. The means are corrected for the above error, while the several readings remain affected by it.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	7 00	7 06	7 12	7 18	7 24	7 30	7 36	7 42	7 48	7 54
Observatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 13½
Jan. 1	559.1	559.	560.1	560.5	560.9	560.3	559.1	559.	559.	559.1
3	562.4	563.1	562.9	562.8	562.3	562.1	562.5	561.3	561.2	561.2
4	546.8	546.6	547.5	548.8	548.2	548.5	548.9	549.4	549.4	549.7
5	553.3	553.1	553.1	553.4	555.	554.2	554.4	554.6	555.9	555.8
6	555.	555.1	555.6	556.	556.2	555.5	555.7	556.1	556.3	556.7
7	574.2	569.2	573.3	573.9	573.3	574.5	572.4	568.8	567.7	569.1
8	570.	569.6	569.9	570.	570.3	570.1	570.	570.	569.5	569.9
10	568.8	568.6	568.7	568.5	568.3	568.5	568.7	568.4	568.5	568.6
11	573.5	573.9	574.	574.1	574.8	576.3	577.1	577.9	576.5	576.9
12	576.6	574.4	573.3	472.8	571.9	569.1	569.	569.4	570.	570.9
13	566.6	566.6	566.7	565.5	566.9	566.5	566.6	566.2	566.3	566.1
14	564.4	565.6	565.6	565.	565.3	565.6	565.3	566.	565.9	566.
15	568.4	568.3	568.2	568.1	568.3	568.2	568.3	569.	568.1	567.9
17	566.4	566.4	566.1	567.4	567.6	566.8	566.9	566.7	566.8	567.3
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	567.8	567.3	566.9	567.4	567.8	567.8	566.8	567.5	567.7	565.5
20	571.6	571.2	570.5	569.1	568.6	568.3	567.7	568.4	569.5	569.
21	569.6	570.	570.	569.7	569.5	568.9	570.6	570.2	570.2	571.
22	567.	565.7	566.4	566.2	565.4	566.	568.2	567.1	567.7	567.9
24	574.9	573.9	574.5	574.	573.2	572.9	573.6	574.2	573.8	573.2
25	572.2	571.5	572.6	571.8	570.2	568.8	570.7	572.	570.8	569.6
26	566.2	567.2	566.4	565.7	567.1	567.1	562.9	566.8	563.3	566.5
27	568.1	568.	567.5	567.	567.	566.9	566.9	566.8	567.1	567.1
28	565.9	565.5	566.5	565.6	565.6	566.3	565.4	566.1	566.3	566.
29	568.6	566.2	562.8	561.	563.	566.	568.3	569.3	570.	571.1
31	562.9	564.3	561.6	563.7	564.2	562.9	562.8	563.1	562.3	562.5
Means	563.7	563.3	563.3	563.2	563.3	563.2	563.2	563.5	563.3	563.5

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	18 00	18 06	18 12	18 18	18 24	18 30	18 36	18 42	18 48	18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
Jan. 1	545.8	544.8	544.7	544.5	544.	546.3	546.5	545.1	547.3	548.8
3	542.1	540.5	541.2	540.8	541.8	541.6	543.6	543.3	543.2	544.1
4	553.2	552.7	553.5	552.8	553.2	552.5	551.6	551.2	552.2	552.6
5	544.8	545.2	545.1	544.7	544.6	544.2	544.6	544.7	545.4	544.9
6	550.5	550.7	549.7	549.9	550.	550.4	551.7	552.1	551.6	550.
7	566.7	564.6	565.3	564.5	565.4	564.7	564.6	564.6	563.5	563.5
8	562.5	562.5	563.6	562.4	560.9	561.	560.3	560.5	560.7	561.7
10	559.	559.2	559.3	558.8	558.8	559.8	559.9	560.	560.1	560.9
11	563.	563.1	562.3	561.2	559.9	558.	559.2	560.2	560.5	561.9
12	563.3	562.5	561.8	561.4	561.	560.	560.	560.	560.4	560.6
13	558.1	557.2	557.	557.	556.7	556.4	556.2	555.7	555.6	555.2
14	560.2	559.8	.....	559.9	560.3	559.5	560.	560.	560.2	560.5
15	559.5	559.4	559.1	558.7	559.6	560.	560.1	559.8	559.6	560.6
17	561.5	559.8	558.5	558.3	558.	557.6	558.	557.8	557.5	556.9
18	554.2	553.5	552.5	554.5	553.4	553.2	551.8	551.	551.2	551.3
19	558.7	558.	558.	558.1	558.	558.6	559.4	559.2	559.7	560.
20	561.4	560.8	560.4	560.8	560.5	560.	559.7	559.9	560.3	560.3
21	558.9	559.2	559.7	559.4	558.6	558.3	557.6	556.9	556.6	556.4
22	560.	559.9	559.4	559.3	559.3	559.4	559.5	559.4	559.5	560.
24	557.7	556.1	556.	.....	556.2	556.9	557.6	558.1	558.6	558.6
25	565.	563.2	563.	562.7	562.8	561.8	562.2	562.1	562.5	563.4
26	564.8	564.	563.6	563.8	563.6	563.9	564.	564.	564.2	563.5
27	564.7	563.	561.9	561.5	562.	561.8	561.5	561.	561.5	561.
28	568.	566.	563.3	562.4	562.2	561.	561.	560.5	560.3	559.6
29	563.	563.1	562.6	562.8	563.1	563.7	563.4	563.2	563.4	563.7
31	555.6	554.7	553.8	551.1	553.8	554.4	553.8	555.2	555.	554.7
Means	556.5	555.1	554.7	554.5	554.5	554.4	554.5	554.4	554.6	551.8

Göttingen time	h. m. 2 00	h. m. 2 06	h. m. 2 12	h. m. 2 18	h. m. 2 24	h. m. 2 30	h. m. 2 36	h. m. 2 42	h. m. 2 48	h. m. 2 54
Observatory time	20 19½	20 25½	20 31½	20 37½	20 43½	20 49½	20 55½	21 01½	21 07½	21 13½
Jan. 1	564.2	564.8	565.8	565.	565.3	565.5	566.4	566.5	566.	565.5
3	.....	552.7	553.2	553.8	553.1	554.	554.5	554.	553.9	553.2
4	.....	559.6	561.3	560.5	560.7	561.	561.2	561.5	560.6	560.
5	561.9	562.7	562.5	561.4	560.4	560.4	560.	561.	561.	560.6
6	571.4	571.3	571.3	570.	570.	569.4	568.7	568.9	569.	572.6
7	572.7	572.1	571.5	571.6	571.8	571.4	571.4	571.6	568.8	570.8
8	573.4	573.5	573.5	573.8	573.9	573.9	573.9	574.4	574.4	573.9
10	570.	569.5	570.	569.9	570.5	571.2	570.8	571.5	570.8	570.6
11	580.5	583.2	582.2	581.3	577.4	574.4	574.5	573.4	573.4	573.5
12	570.1	570.5	570.	569.6	569.	569.2	569.5	569.8	569.1	568.9
13	570.9	571.1	571.4	572.	573.	572.7	571.9	572.1	571.7	572.
14	573.2	574.8	576.5	579.2	578.	578.2	578.	575.1	575.	571.9
15	.....	573.9	573.1	567.	562.1	562.8	566.9	563.8	559.2	560.1
17	570.	570.3	570.5	570.5	570.	570.4	569.4	570.3	570.2	570.6
18	601.4	600.2	590.3	597.7	582.9	584.8	580.4	574.3	571.8	572.
19	567.6	568.8	568.7	568.6	567.7	568.	568.7	569.5	569.4	568.6
20	570.	571.3	570.7	571.7	571.	571.6	570.5	569.6	570.5	569.4
21	570.	571.	569.2	569.8	568.	569.	571.6	573.1	581.6	589.9
22	.....	574.	574.4	574.5	573.5	573.5	574.4	574.6	573.5	574.8
24	570.9	570.	570.5	570.2	571.	570.7	571.7	571.6	570.	570.9
25	.....	569.9	570.	569.3	570.	569.5	569.6	569.6	569.5	569.4
26	567.	567.	567.1	567.	567.4	567.2	568.1	570.	567.4	567.8
27	566.9	567.	567.7	567.9	568.7	567.2	567.	567.9	568.6	569.
28	578.4	576.8	576.4	571.9	571.1	571.1	570.2	569.6	568.3	568.
29	564.	563.6	563.5	563.3	564.1	564.6	564.6	565.5	560.3	563.5
31	562.8	564.2	566.6	563.9	565.7	564.8	564.1	564.4	564.7	566.1
Means	568.5	567.8	567.6	567.4	566.4	566.4	566.5	566.3	565.7	566.3

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	3 00	3 06	3 12	3 18	3 24	3 30	3 36	3 42	3 48	3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
Jan. 1	564.9	565.8	566.9	568.5	569.7	568.5	567.5	565.7	568.1	567.8
3	554.	553.7	554.6	554.9	554.	553.	552.6	551.6	556.3	552.7
4	560.	560.9	560.5	562.5	562.4	561.3	557.3	.....	.....	.....
5	561.	560.8	560.9	559.8	559.5	558.9	557.7	557.4	557.4	558.3
6	577.	579.	577.	.....	567.9	565.4	565.6	567.9	570.7	573.9
7	570.8	570.9	570.8	570.8	570.5	570.1	570.4	570.5	570.6	571.1
8	574.3	574.1	574.2	573.8	573.4	573.	572.4	572.3	572.3	572.4
10	570.7	570.6	569.7	570.1	569.9	570.5	569.4	567.9	567.1	567.9
11	575.5	574.3	570.5	570.	568 5	568.2	568.1	569.1	570.4	569.1
12	568.9	569.	569.1	570.2	570.9	571.	571.	571.3	569.8	570.2
13	571.4	571.	572.2	571.2	572.2	572.5	572.6	571.8	571.4	571.
14	573.5	574.	573.9	572.2	570,8	571.	570.	569.5	569.6	570.1
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	570.6	570.6	573.8	577.7	577.6	575.6	576.7	575.9	574.6	574.2
18	584.5	588.2	587.1	583.1	577.7	581.8	578.6	578.4	581.9	582.8
19	568.3	568.6	568.6	568.5	568.8	569.3	569.3	569.8	570.3	571.1
20	569.6	571.6	571.	571 2	571.3	569.4	569.5	568.7	569.4	569.2
21	597.8	593.5	588.1	581.3	570.7	563.4	564.5	569.	572.	572.
22	574.6	574.7	574.5	574.	572.7	573.5	573.	572.7	572.7	572.4
24	571.5	571.6	571.4	570.8	570.7	570.7	569.1	569.1	568.5	568.
25	568.8	569.6	569.3	570.2	569.3	570.2	570.5	571.9	570.4	570.5
26	567.5	567.7	568.	567.7	568.5	568.7	568.6	569.3	568.5	568.8
27	568.3	569.1	569.1	568.7	569.3	572.8	573.	575.9	575.5	570.1
28	568.1	566.9	569.1	568.8	568.5	569.6	570.3	572.4	573.	573.3
29	565.1	564.2	563.8	564.2	565.7	565.2	565.8	565.4	566.1	567.3
31	562.5	563.2	562.9	563.3	565.8	567.6	568.	567.	566.1	568.
Means	567.7	567.8	567.6	567.	566.3	566.1	565.8	566.5	567.	567.

Göttingen time	h. m. 13 00	h. m. 13 06	h. m. 13 12	h. m. 13 18	h. m. 13 24	h. m. 13 30	h. m. 13 36	h. m. 13 42	h. m. 13 48	h. m. 13 54
Observatory time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
Jan. 1	535.5	533.3	534.1	535.5	532.1	533.4	537.7	540.7	543.9	547.6
3	558.8	561.2	560.2	560.3	560.4	560.7	561.6	563.	563.7	563.3
4	559.9	559.5	559.	558.9	559.9	559.5	560.	560.1	556.2	556.5
5	554.6	554.6	554.3	555.5	556.1	557.2	559.2	560.9	560.4	561.
6	560.	560.1	560.1	560.9	561.6	561.8	563.2	563.4	563.5	563.
7	574.1	574.5	574.8	574.4	573.	573.1	572.7	573.8	575.3	573.4
8	573.6	574.	574.2	575.1	576.	576.4	577.	578.	578.2	578.3
10	573.4	573.8	573.7	573.4	573.9	573.7	573.3	573.5	573.6	573.8
11	572.5	572.7	574.4	574.5	573.7	574.7	575.1	575.6	576.5	578.5
12	575.2	574.8	575.1	575.1	574.1	574.1	573.6	573.8	573.4	572.6
13	572.3	572.4	573.6	573.8	573.5	573.3	574.5	575.6	576.	575.2
14	571.4	572.4	571.6	572.	571.4	572.4	572.7	572.6	572.5	572.6
15	574.6	575.8	576.5	575.6	575.9	575.7	577.	577.	576.6	576.6
17	573.5	571.	573.9	574.	573.	573.9	576.1	576.	576.4	576.3
18	.....	.....	.....	.....	.....	.....	570.9	573.5	574.4	575.4
19	573.3	573.8	576.1	573.	575.5	576.1	576.2	576.9	577.8	578.2
20	574.2	574.3	575.2	575.2	575.4	575.2	575.3	575.6	576.1	575.9
21	574.5	574.5	574.3	575.1	574.6	574.2	574.7	574.8	575.2	574.3
22	571.	571.9	572.3	571.7	571.9	572.	572.2	571.8	571.7	571.6
24	568.2	569.2	569.8	569.4	569.8	570.4	571.6	572.5	572.7	572.4
25	573.	571.5	572.	571.	571.	570.8	570.3	572.	572.2	572.9
26	570.	570.	570.	570.	571.2	571.3	571.2	571.6	571.5	571.9
27	575.5	574.7	573.1	573.3	573.6	573.1	573.6	572.9	574.1	576.1
28	570.7	571.6	571.7	571.5	572.1	572.7	572.5	573.2	573.2	573.7
29	573.8	573.3	573.	572.6	573.3	573.5	574.1	573.9	573.8	573.6
31	566.8	567.4	566.6	566.5	566.7	568.6	567.6	569.	568.7	566.5
Means	566.1	566.3	566.5	566.4	566.5	567.1	567.4	568.1	568.4	568.5

Göttingen time Observatory time	h. m. 22 04 16 23½	Therm., Fah.	h. m. 22 10 16 29½	h. m. 22 16 16 35½	h. m. 22 22 16 41½	h. m. 22 28 16 47½	h. m. 22 34 16 53½	Therm., Fah.	h. m. 22 40 16 59½	h. m. 22 46 17 05½	h. m. 22 52 17 11½	h. m. 22 58 17 17½
Jan. 1	660.5	71.5	668.	676.9	680.6	682.3	686.7	70.5	688.5	690.	692.3	692.
3	672.5	71.9	676.2	680.1	687.	692.5	695.	71.9	698.	701.5	704.2	703.8
4	712.3	71.3	713.	715.2	715.7	715.9	717.6	71.8	717.6	717.8	720.	720.9
5	649.	66.2	653.7	650.2	648.8	649.	648.4	66.3	648.2	646.6	647.7	647.7
6	.....	62.	583.1	582.	581.3	581.1	579.4	62.	579.	577.5	577.3	576.6
7	670.9	67.7	670.1	669.2	668.8	669.5	667.6	67.8	668.6	668.2	668.1	667.6
8	773.4	75.	772.7	773.4	777.2	772.	773.3	74.	772.	771.2	770.7	770.4
10	772.6	75.	772.7	772.5	772.4	771.7	772.6	75.	772.2	772.2	770.9	771.5
11	796.6	74.3	811.5	801.1	790.	792.5	791.5	74.2	786.7	785.7	784.5	782.3
12	758.3	74.7	759.7	758.7	761.2	761.5	759.5	73.3	758.1	757.8	757.1	756.5
13	677.3	73.	684.3	690.2	695.7	699.1	704.6	71.	706.6	709 5	711.5	712.8
14	699.	70.	699.2	698.9	697.4	696.9	697.4	69.2	696.1	695.	696.3	694.6
15	778.	74.9	778.2	778.8	779.	780.5	778.3	74.	777.5	776.9	774.	774.6
17	734.2	72.	734.1	733.9	734.	732.5	732.4	72.	733.4	733.4	732.6	733.7
18	782.8	73.	786.1	784.5	791.7	793.7	794.3	73.	795.3	794.	795.9	795.4
19	770.6	76.	771.3	772.1	773.3	775.7	776.2	75.2	777.	777.	776.6	776.6
20	745.1	73.6	740.6	740.7	741.	742.4	742.5	73.5	741.9	742.1	742.	742.6
21	537.5	60.2	540.7	544.2	547.9	552.6	557.6	63.5	562.2	565.7	572.4	577.
22	774 7	75.	778.7	779.7	780.4	780.	782.8	74.2	783.3	785.3	783.	782.5
24	651.3	64.2	651.	650.	648.8	647.3	646.4	63.8	645.	644.6	644.8	644.5
25	631.2	61.9	630.	630.	629.8	628.5	628.3	61.9	627.5	628.6	628.1	627.8
26	745.	70.6	745.	745.2	746.2	746.1	746.3	70.2	746.7	746.5	746.3	747.3
27	686.3	67.	686.7	685.4	684.3	684.3	684.3	66.	682.7	681.5	682.5	680.4
28	683.7	67.	684.8	685.3	686.6	687.5	687.5	66.5	687.3	687.	687.	686.9
29	749 3	72.	750.2	751.7	752.7	746.2	765.	72.	754.8	754.3	754.7	776.2
31	789.5	72.4	790.2	792.	793.5	793.1	795.1	72.2	796.6	797.	797.	796.1
Means	716.1	70.5	712.8	713.2	714.	714.4	715.8	70.2	715.5	715.6	716.	716.9
Reduced to 32° Fah	192.3		193.9	195.1	196.7	197.9	200.1		200.9	202.1	203.6	205.6

Göttingen time Observatory time	h. m. 23 04 17 23½	Therm., Fah.	h. m. 23 10 17 29½	h. m. 23 16 17 35½	h. m. 23 22 17 41½	h. m. 23 28 17 47½	h. m. 23 34 17 53½	Therm., Fah.	h. m. 23 40 17 59½	h. m. 23 46 18 05½	h. m. 22 52 18 11½	h. m. 23 58 18 17½	Therm., Fah.
Jan. 1	694.2	69.	694.1	694.1	694.5	692.7	692.8	68.8	693.1	692.3	690.7	690.5	68.6
3	704.5	70.5	704.3	706.7	707.5	706.2	706.5	70.	706.	705.7	705.8	705.1	69.8
4	721.5	72.4	723.5	723.7	725.	726.1	727.	72.7	728.7	730.	731.1	732.7	73.
5	647.6	66.4	647.1	646.4	646.7	646.1	645.	66.3	644.4	643.7	643.3	614.	66.
6	576.	62.5	575.5	576.1	576.8	577.1	578.6	63.	579.5	580.6	582.	582.3	63.5
7	668.	68.	668.6	668.8	668.8	668.3	668.9	68.	668.3	668.7	668.9	669.6	68.
8	771.	73.2	769.4	770.1	767.3	765.9	765.	72.2	764.	761.6	760.3	758.5	72.
10	771.1	74.6	770.5	769.6	769.3	769.3	768.9	74.2	768.5	769.	769.1	769.2	75.
11	781.2	74.5	782.9	781.	779.6	777.9	778.8	74.	777.7	776.	773.1	770.	73.5
12	752.9	72.	753.1	752.1	750.5	750.1	749.5	71.5	747.2	746.4	745.1	743.1	71.6
13	714.2	70.	714.6	715.9	714.6	714.4	712.9	69.7	712.5	711.2	711.	710.7	69.5
14	694.5	68.5	691.1	691.8	691.5	685.4	689.9	68.	689.9	693.2	688.2	685.2	68.
15	770.6	72.5	770.	767.6	764.5	759.2	755.	70.5	750.9	746.5	744.7	737.2	69.
17	733.	72.	733.6	735.5	735.4	735.8	735.2	72.	735.7	735.2	734.7	734.	71.8
18	790.9	72.9	790.2	788.7	786.2	785.5	782.2	72.8	784.2	781.3	777.7	776.8	73.
19	775.7	74.	774.6	772.9	771.6	770.1	774.9	73.5	773.1	768.4	768.3	767.9	73.
20	742.1	73.	743.2	742.	741.6	.....	.....	....	.....	.....	.....	.....	....
21	582.1	65.	587.2	592.8	599.7	601.2	608.3	65.8	614.4	618.1	622.9	627.	67.
22	784.6	72.8	784.3	784.6	783.3	783.4	783.4	70.8	779.1	772.9	774.7	771.	69.4
24	.....	63.	.....	.....	.....	639.	637.5	62.	635.	633.2	631.2	629.	61.
25	628.5	62.5	628.	629.	629.5	629.2	629.7	63.	631.7	631.5	632.5	630.9	63.1
26	747.	70.	746.9	746.2	746.	745.3	745.5	70.	745.8	745.4	745.1	745.	70.
27	678.4	65.	678.	676.9	676.2	675.6	673.5	64.	672.	669.2	667 3	664.7	63.
28	686.1	66.	685.7	685.3	684.8	685.	684.	65.8	683.	682.5	681.	681.	65.6
29	776.7	72.	776.5	777.3	778.	778.4	778.5	72.	779.	779.	779.4	779.2	71.8
31	795.5	72.	796.2	796.7	797.	796.8	797.1	71.8	796.3	796.8	797.	796.5	71.6
Means	719.5	69.8	719.6	719.7	719.4	714.6	714.7	69.3	714.4	713.5	713.	712.	69.2
Reduced to 32° Fah	206.5		206.8	207.2	207.2	210.9	211.2		211.3	210.7	210.5	209.8	

Göttingen time..... Observatory time.....	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
Jan. 1	572 8	63.	572.3	572.3	573.1	573.7	574.3	63.5	576.	577.9	579.9	580.8
3	287.3	45.6	292.4	299.1	306 1	315.7	326.1	50.	332.2	340.5	348 6	357.
4	666.5	67.	666.5	665.2	666.5	666.1	660.8	67.8	660.7	662.9	664.3	665.3
5	.....	65.	635.5	634.	632.8	632.	630.5	65 5	629.	628.4	627.8	627 8
6	529.3	58.	528.9	528.4	525.8	525.7	525.2	58.	522.9	522.	522 2	520.5
7	653.7	68.	657.	657.3	657.4	658.1	657.8	68.	658 8	660.4	661.	662.1
8	672.	69.	677.2	677.5	675.9	677.	676 7	68.	674.2	673.7	673.9	672.9
10	822.	77.9	822.3	822.1	822.9	823.1	821.5	77.	820.9	816.5	815.7	814.6
11	768.9	75.3	768.7	769.3	770 5	772.	772.	75.	773 8	775.2	775.6	775.6
12	734.7	71.2	734.1	733.6	731.8	731.6	728.7	69 8	730.1	725.6	725.2	722.8
13	729.1	70.8	727.5	727.2	728.5	726.2	727.5	69.7	722.1	720.5	717.7	717.9
14	615.7	64.5	613.3	617.1	616.2	615.7	619.3	65.	621.3	621.6	621.2	624.6
15	666.3	67.8	667.	665.8	666.5	665.5	666.3	67.1	663.6	663.9	664.6	662.7
17	747.9	73.4	747.6	748.8	745.7	747.5	747.5	73.1	747.5	747.1	746.8	747.5
18	734.1	69.8	733.5	731.5	731.5	728.	725.7	69.8	724.6	722.	720.7	718.7
19	650.6	69 2	654.2	655.6	657.5	653.3	661.	70.	663.3	667.3	671.2	671.9
20	685.	68.8	680.	679.7	679.2	677.1	675.7	68.	675.7	676.	673.6	672.6
21	638.	60.5	641.5	636.6	635.2	633.5	632.3	62.	630.5	630.1	628.5	627.
22	658.6	67.5	663.6	668.2	669.	670.1	671.8	68.2	674.1	675.5	679.3	681.8
24	580.1	60.	582.9	584.3	586.7	590.2	591.	61.1	593.4	595.7	597.5	599.8
25	565.5	59.5	565.	565.9	569.5	568.1	566.3	59.3	570.6	572.2	571.7	573.4
26	661.9	63.3	660.9	661.9	660.5	659.5	658.3	63.5	655.7	655.5	658.6	658.3
27	787.2	73.	787.	782.8	783.6	783.9	782 9	71.6	783.2	782.2	780.6	778.2
28	669.	65.5	664.1	664.1	664.4	662.7	663.3	64.6	662.3	661.1	659.5	659.
29	620.3	60.	619.	613.7	609.6	608.4	601.9	59.	599.1	598.4	594.9	592.5
31	794.7	73.3	795.9	797.4	801.2	803.9	810.8	73.8	805.7	811.	811.8	813.5
Means	660.4	66.4	659.9	660.	660 3	660.3	660.6	66.5	660.4	660.9	661.2	661.5
Reduced to 32° Fah.	194.7		195.4	195 2	195.2	194.9	194.9		195.	195.7	196.3	196.8

Göttingen time Observatory time	h. m. 13 34 7 53½	Therm., Fah.	h. m. 13 40 7 59½	h. m. 13 46 8 05½	h. m. 13 52 8 11½	h. m. 13 58 8 17½	h. m. 14 04 8 23½	Therm., Fah.	h. m. 14 10 8 29½	h. m. 14 16 8 35½	h. m. 14 22 8 41½	h. m. 14 28 8 47½	Therm., Fah.
Jan. 1	583.4	64.	586.4	588.5	590.	592.4	594.1	64.5	.....	.....	.....	.....	....
3	364.3	52.2	372.9	380.9	390.3	390.6	402.3	54.	.....	.....	.....	.....	....
4	666.3	68.9	667.8	670.9	668.5	672.1	673 5	69.2	.....	.....	.....	.....	....
5	628.9	66.2	629.5	630.6	630.8	632.1	632 9	66.	633.9	635.1	637.7	.....	66.7
6	519.5	57.	518.3	516.9	514.6	513.7	511.6	57.	511.	509.	508 5	507.	56.7
7	661.2	68.	662.1	661.2	664.5	663.9	664.3	67.8	663.7	663.2	663.2	662.4	67.6
8	670.8	66.7	671.1	668.5	667.2	666.	665.1	66.	663.7	662.2	661.2	661.7	65.5
10	813.1	76.1	812.9	811.7	812.8	810.8	810.2	75.9	.....	.....	.....	.....	....
11	775.8	75.	776.6	774.1	777.5	778.3	780.7	75.	779.3	778 5	779.9	779.5	74.8
12	723.5	69.7	722.8	721.1	719.9	719.3	719.5	70.	718.4	117.3	716.5	716.1	70.7
13	715.1	68.5	713.5	709.8	710.7	707.	703.6	68.7	700.9	697.8	695.4	693.5	67.7
14	623.7	66.2	625.5	626.3	627.8	629.1	630.4	66.5	633.7	635.2	637.2	640.	67.2
15	661.5	66.5	661.6	660.	659.6	661.2	658.5	66.5	657.6	658.3	657.4	657.	67.3
17	747.3	72.8	747.	747.1	747.5	748.3	746.9	72.1	745.6	744.7	742.8	741.6	71.2
18	716.6	70.	716.5	714.7	712.6	712.7	714.4	70.6	714.8	714.5	714.8	715.9	71.5
19	675.	70.	675.9	677.9	680.7	683.8	681.5	70.2	683.3	685.7	686.6	688.9	70.3
20	671.1	67.	669.	666.5	665.3	664.2	662.6	66.7	661.9	660.5	659.8	658.8	66.9
21	626.2	61.5	624.6	624.1	622.8	622.3	621.7	61.2	620.9	618.6	.....	616.5	61.2
22	683.3	68.5	686.3	686.4	690.1	692.3	694.6	69.2	697.9	698.8	700.6	701.4	69.
24	601.8	61.6	603.8	604.8	608.5	609.3	611.9	62.4	614.3	616.	618.7	620.9	63.
25	571.8	59.1	572.5	572.5	572.7	572.	571.7	58.8	568.4	571.1	570.5	571.6	58.6
26	657.2	63.8	656.1	656.1	656.7	655.8	655.4	64.	654.6	654.7	654.2	654.4	63.8
27	775.6	71.	775.8	773.2	773.2	770.2	772.4	70.9	771.1	769.2	768.7	766.5	70.8
28	657.1	64.	656.3	654.1	654.2	655.	651.6	63.8	652.4	651.8	650.9	650.5	63.9
29	589.5	58.4	585.8	580.6	579.4	577.9	574.6	58.	571.7	569.8	568.	566.	57.6
31	815.4	74.	818.	820.8	821.4	822.8	823.2	74.	823.9	823.1	824.	824.4	73.7
Means	661.3	66.4	661.9	661.5	662.3	662.4	662.7	66.5	670.1	669.8	672.2	671.2	66.6
Reduced to 32° Fah.	196.9		197.2	196.6	197.1	197.	197.		204.1	203.4	201.8	204.1	

Göttingen time Observatory time	h. m. 11 32 5 51½	Therm., Fah.	h. m. 11 38 5 57½	h. m. 11 44 6 03½	h. m. 11 50 6 09½	h. m. 11 56 6 15½	h. m. 12 02 6 21½	Therm., Fah.	h. m. 12 08 6 27½	h. m. 12 14 6 33½	h. m. 12 20 6 39½	h. m. 12 26 6 45½	Therm., Fah.
Jan. 1	538.	56.1	537.1	537.9	537.8	543.	550.7	56.1	564.	567.3	572.5	580.	56.
3	513.3	40.1	512.3	511.7	513.8	509.1	508.1	40.1	504.	502.	504.4	504.4	41.
4	544.	60.7	542.6	543.2	545.7	550.1	551.7	60.6	545.1	545.8	542.7	545.4	60.4
5	544.3	57.4	542.1	542.7	544.7	547.1	547.7	57.4	550.9	549.7	551.9	555.4	57.4
6	536.2	53.	534.6	535.2	535.7	534.9	535.	52.9	533.1	533.1	533.2	531.7	52.8
7	568.	61.7	567.6	567.3	567.7	569.1	568.3	61 8	567.8	566.9	566.3	564.3	62.2
8	561.7	62.7	560.5	561.9	561 6	562.7	563.3	62.5	562.3	562 4	562.7	563.7	62.3
10	561.	70.9	562.1	562.2	562.2	563.2	563.2	70.9	562.8	564.9	562.3	562.7	70.9
11	565.3	66.9	564.8	564.1	563.2	566.1	565.2	67.	564.9	564.5	565.2	566.8	67.1
12	564.	65.	561.9	564.	562.	561.8	566.9	64.8	562.3	564.1	563.7	559.	64.6
13	557.	64.4	557.9	556.3	557.7	557.5	557.1	64.2	555.8	555.6	553.6	555.3	64.
14	540.2	58.	540.6	540.2	539.	537.8	539.6	57.8	537.6	536.1	536.9	537.	58.
15	548.3	61.3	547.5	547.3	548.3	547.7	547.2	61.3	545.9	546.5	546.2	546.8	61.4
17	554.1	65.	554.8	558.5	558.5	558.2	558.2	65.2	557.	556.1	556.8	557.5	65.3
18	564.9	64.2	564.9	564.8	564.2	564.5	563.	64.1	566.8	569.8	571.7	575.2	64.
19	570.	61.8	569.5	567.9	569.6	568.7	570.	62.	569.6	568.	566.	568.8	62.2
20	567.5	64.5	567.7	569.	568.8	568.	569.3	64.5	568.4	570.	568.1	571.3	64.4
21	570.1	60.9	569.8	568.2	567.8	567.9	567.7	61.1	567.3	566.3	565.8	563.6	61.
22	534.6	58.	534.3	532.8	536.1	535.2	532.6	58.2	533.3	533.2	534.4	533.2	58.3
24	507.1	50.6	504.7	504.7	506.8	504.5	505.2	51.	505.3	504.6	507.	505.5	51.5
25	525.8	51.5	526.7	525	525.	525.7	527.4	51.7	524.4	524.3	526.9	526.	52.2
26	541.5	58.4	543.	542.2	544 8	541.8	542.4	58.	542.3	542.2	542.8	542.5	58.3
27	552.	65.5	551.5	551.5	552.2	551.	553.	65.5	552.2	553.7	552.7	552.7	65.5
28	533.1	58.2	531.2	533.7	531.5	532.1	532.3	58.5	530.9	532.6	531.3	533.2	58.7
29	552.6	58.	553.3	556.7	554.3	552.	551.9	58.	553.4	551.4	552.2	551.7	58.
31	560.9	66.8	560.	558.7	559.9	558.5	558.7	66.7	558.9	558.9	558.7	559.2	66.8
Means	549.1	60.1	548.6	548.8	549.2	549.2	549.9	60.1	549.5	549.6	549.8	550.5	60.2
Reduced to 32° Fah.	473.2		472.7	472.9	473.3	473.3	474.		473.6	473.7	473.8	474.4	

	h. m.	Therm., Fah.	h. m.	h. m.	h. m.	h. m.	h. m.	Therm., Fah.	h. m.	h. m.	h. m.	h. m.
Göttingen time	21 02		21 08	21 14	21 20	21 26	21 32		21 38	21 44	21 50	21 56
Observatory time	15 21½		15 27½	15 33½	15 39½	15 45½	15 51½		15 57½	16 03½	16 09½	16 15½
Jan. 1	578.2	62.	578.1	574.	570.7	581.2	588.1	62.1	592.3	585.2	594.2	593.4
3	529.7	59.	530.1	527.6	530.7	539.	538.5	59.5	536.8	537.1	532.2	540.8
4	552.1	64.	551.	551.2	548.5	548.	546.	64.	546.5	545.5	545.	544.6
5	542.	58.8	540.8	538.3	.....	541.5	542.2	58.8	543.2	544.1	545.8	544.9
6	.....	57.	541.5	540.1	.....	539.5	539.	57.	537.9	536.9	538.3	539.2
7	568.3	63.5	570.4	571.9	571.7	574.9	577.4	63.3	580.3	579.7	579.4	578.
8	568.4	67.3	566.7	567.4	564.5	565.	563.	67.3	562 8	565.7	565.6	565.6
10	550.1	68.1	550.7	552.3	552.3	553.2	549.	68.	548.	547.3	546.9	548 2
11	570.4	69.8	567.9	567.1	568.1	568.7	569.6	69.	570.	572.3	577.	576.
12	558.1	67.	555.7	557.7	556.3	555.	556.6	67.	556.6	556.1	559.	558.3
13	541.1	61.6	540.1	539.3	539.4	541.5	540.5	61.5	542.6	545.	542.	542.4
14	557.7	64.	556.5	557.	557.2	556.	556.2	64.	556.3	556.1	558.3	.....
15	547.2	66.	545.7	544.4	543.5	546.5	544.3	65.9	544.3	544.6	546.3	545.
17	587.6	66.4	585.7	585.3	581.	579.4	577.5	66.3	575.6	573.6	573.5	571.
18	603.5	70.	609.4	617.2	611.2	599.4	601.4	70.	605.9	605 1	606.6	604.1
19	.....	....	.....	... .	.....	.....	.....	...	.....	.....	.....	.....
20	575.9	69.7	576.3	574 8	575.5	572.1	573.8	70.	573.7	574.4	572.7	575.8
21	525.4	55.	523.7	523.4	526.	530.6	529.7	55.	525.7	521.8	521.	518.3
22	549.9	63.1	549.4	546.1	544.7	539.8	539.4	64.1	540.3	539.3	537.	535.5
24	533.1	57.3	531.8	530.1	527.6	526.	531.6	57.5	533.3	538.5	544.4	551.7
25	555.5	57.4	551.1	549.4	550.3	550 5	548.8	57.2	547.4	545.1	553.1	548.1
26	564.2	65.	563.3	563.3	562.4	560.7	560.	65.	558.7	558.1	557.5	557.9
27	547.4	59.4	546.6	547.8	547.2	546.8	547.5	59.3	545.6	550.1	554.8	554.6
28	545.7	61.	545.2	544.9	543.9	543.3	543.7	61.	545.	543.1	541.7	541.5
29	570.7	66.1	571.4	575.6	585.5	579.2	579.3	67.	579.2	579.	578.5	577.5
31	578 3	68.	577.9	575.5	572.7	574.4	578.9	68.	581.5	583.2	585.1	584.9
Means	558.4	63.5	557.1	556.9	557.9	556.5	556.9	63.5	557.2	557.1	558.2	558.2
Reduced to 32° Fah.	472.7		472.1	471.9	471.6	471.4	471.8		472.1	471.9	473.	472.9

Göttingen time Observatory time	h. m. 22 02 16 21½	Therm., Fah.	h. m. 22 08 16 27½	h. m. 22 14 16 33½	h. m. 22 20 16 39½	h. m. 22 26 16 45½	h. m. 22 32 16 51½	Therm., Fah.	h. m. 22 38 16 57½	h. m. 22 44 17 03½	h. m. 22 50 17 09½	h. m. 22 56 17 15½	Therm., Fah.
Jan. 1	601.	62.4	603.3	602.	597.5	594.3	593.7	62.7	589.2	582.8	577.8	574.7	62.
3	538.5	60.	536.6	534.2	534.4	534.7	534.2	60.4	534.2	533.	532.7	533.5	60.3
4	545.5	64.1	546.1	546.	547.4	548.5	547.9	65.	548.4	546.9	546.4	549.5	65.
5	546.6	59.	550.8	552.2	558.5	563.1	565.6	59.	562.2	560.8	559.2	560.1	59.
6	536.2	57.	537.4	539.3	540.7	540.4	541.6	57.	540.	541.7	540.9	541.1	57.
7	575.9	63.	576.	572.9	573.6	574.8	578.4	63.	577.5	573.2	571.3	577.	63.
8	566.	68.	566.	564.1	567.	568.3	571.8	67.	568.2	574.8	575.	574.4	67.
10	549.3	68.	551.9	552.	552.	551.7	554.7	68.2	555.2	554.9	554.6	555.5	68.4
11	577.9	68.5	581.3	582.	583.6	584.7	584.1	68.2	582.2	585.6	586.5	583.8	68.
12	561.	67.	561.9	561.2	561.5	562.8	562.4	66.2	563.7	564.3	564.5	563.4	65.8
13	544.1	61.4	541.9	540.8	540.	540.2	540.7	61.3	540.9	540.6	541.5	542.5	61.2
14	556.3	64.1	557.3	558.1	558.6	558.6	559.3	64.	559.4	555.7	556.	555.9	64.
15	546.	66.	546.7	546.	543.2	544.8	545.	65.5	550.3	549.	551.5	559.9	65.
17	571.7	66.2	569.9	567.1	567.2	566.9	566.	66.	566.7	568.3	569.	568.4	65.8
18	606.3	70.	599.2	597.8	600.2	600.2	600.3	70.	601.2	601.4	602.3	602.5	70.
19	576.3	70.2	577.7	581.2	579.9	579.4	580.6	70.	582.3	584.4	587.	586.2	69.2
20	575.7	70.	577.4	576.4	575.8	576.5	576.2	69.9	578.4	578.	578.4	580.1	69.8
21	518.7	56.	519.4	522.8	524.7	525.8	529.7	56.6	534.3	536.8	545.8	552.2	57.2
22	539.3	64.9	544.	543.3	541.	540.7	541.5	64.2	540.7	542.9	545.1	547.2	63.7
24	556.	57.3	558.2	566.6	571.7	571.7	567.6	57.	565.7	.....	569.8	568.8	57.
25	547.5	57.	548.8	548.1	550.2	548.2	547.3	57.	544.5	547.5	548.	546.4	57.
26	556.8	65.	556.4	557.1	557.6	557.3	556.5	65.	556.4	556.5	557.9	556.9	65.
27	555.8	59.	560.1	558.5	557.8	555.7	555.5	58.9	557.5	554.8	550.	547.3	58.8
28	543.6	60.6	542.7	544.2	546.1	549.1	549.5	60.5	550.5	549.	550.1	552.5	60.4
29	577.	67.2	572.	578.6	577.7	578.9	583.5	68.	582.7	582.3	585.4	584.9	68.5
31	584.7	68.3	583.3	582.	581.9	580.7	580.2	69.	577.9	579.3	579.4	580.7	69.
Means	559.7	63.9	560.2	560.6	561.1	561.5	562.1	63.8	561.9	561.8	562.5	563.7	63.7
Reduced to 32° Fah.	473.7		474.2	474.6	475.1	475.6	476.2		476.	476.	476.7	478.	

Göttingen time..... Observatory time.....	h. m. 1 02 19 21½	Therm., Fah.	h. m. 1 08 19 27½	h. m. 1 14 19 33½	h. m. 1 20 19 39½	h. m. 1 26 19 45½	h. m. 1 32 19 51½	Therm., Fah.	h. m. 1 38 19 57½	h. m. 1 44 20 03½	h. m. 1 50 20 09½	h. m. 1 56 20 15½
Jan. 1	584.	60.8	582.	581.4	579.7	578.6	576.5	60.7	575.8	575.3	574.1	574.8
3	556.7	60.3	559.5	561.9	559.7	556.5	553.2	60.1	551.7	553.4	554.1	549.7
4	559.6	65.9	560.2	561.	560.5	561.8	561.6	65.8	562.3	564.8	563.3	563.
5	546.5	58.3	548.1	548.3	545.3	539.2	540.5	58.	539.1	539.	543.2	543.9
6	589.7	58.3	582.9	575.5	566.4	566.4	563.3	58.3	555.5	553.6	552.	554.9
7	567.6	63.	567.7	568.3	569.3	567.4	566.8	63.	568.1	569.3	568.3	567.7
8	574.3	65.3	572.4	573.3	572.6	573.6	573.8	65.	573.8	573.2	572.8	572.5
10	559.3	68.2	557.8	564.1	559.5	559.8	566.4	68.5	563.2	564.7	565.5	564.9
11	581.5	67.	584.9	593.6	595.6	595.8	592.9	68.	592.8	590.3	596.9	594.5
12	568.6	66.3	567.9	569.6	568.3	568.1	566.8	66.5	568.1	566.5	567.	565.6
13	553.2	60.5	553.1	552.1	550.4	549.5	549.6	60.3	549.2	553.	553.4	555.
14	556.7	63.5	558.	557.2	556.9	557.9	556.7	63.8	558.1	557.8	558.2	560.5
15	597.1	61.	601.	602.8	592.	589.	588.9	60.	583.8	585.2	582.4	578.5
17	571.8	65.5	569.8	571.5	572.5	574.5	576.	65.	576.5	575.4	574.5	573.9
18	615.8	67.	618.1	615.8	615.2	612.	608.2	67.2	605.1	606.3	602.5	608.9
19	575.3	68.5	573.8	572.7	575.3	576.1	574.6	69.3	572.3	572.8	573.	574.1
20	585.	68.2	582.2	584.	582.2	585.1	581.	68.1	581.3	580.4	580.	580.1
21	573.3	60.9	575.	575.2	572.7	571.4	572.2	61.	567.8	562.3	560.7	558.8
22	551.7	59.	550.5	547.5	548.4	547.1	545.8	58.	547.7	547.3	547.9	544.6
24	538.6	52.5	539.2	535.5	533.4	532.7	532.3	52.8	532.6	533.	535.4	534.8
25	.....	57.	541.9	544.3	546.2	543.1	539.	57.3	537.2	538.7	539.4	539.4
26	.....	66.	556.	557.8	557.6	558.5	560.	66.8	559.2	558.6	559.7	557.4
27	558.4	56.	557.3	558.5	554.7	555.4	552.1	55.2	551.4	551.3	550.5	548.7
28	574.2	59.8	573.5	571.7	571.7	570.8	569.	59.4	564.8	562.9	560.6	561.9
29	587.8	67.7	587.6	587.3	586.	588.5	586.7	67.8	586.2	587.9	588.2	588.7
31	588.4	68.3	589.1	588.9	589.8	589.6	590.2	68.5	589.7	591.4	589.1	589.1
Means	571.5	62.9	569.6	570.	568.6	568.	567.1	62.8	565.9	565.9	565.9	565.6
Reduced to 32° Fah.	487.8		486.3	486.7	485.3	484.7	483.9		482.9	483.1	483.3	483.2

Göttingen time Observatory time	h. m. 2 02 20 21½	Therm., Fah.	h. m. 2 08 20 27½	h. m. 2 14 20 33½	h. m. 2 20 20 39½	h. m. 2 26 20 45½	h. m. 2 32 20 51½	Therm., Fah.	h. m. 2 38 20 57½	h. m. 2 44 21 03½	h. m. 2 50 21 09½	h. m. 2 56 21 15½	Therm., Fah.
Jan. 1	575.7	60.	575.	574.7	574.1	576.2	577.2	58.8	579.4	582.6	582.7	583.2	57.4
3	548.2	60.	548.7	547.6	544.3	547.	548.	59.	548.	549.4	548.9	550.7	58.5
4	563.5	65.	566.1	566.6	563.4	561.1	561.5	65.3	562.7	564.7	569.	572.	65.
5	543.5	57.4	541.2	546.	545.4	546.7	518.3	56.6	547.2	543.4	544.2	545.2	56.3
6	556.4	58.6	559.2	561.7	567.8	567.5	569.7	58.8	570.1	569.	567.2	557.4	58.9
7	566.	63.	567.2	567.	569.2	570.6	571.	63.	571.	571.	571.3	571.5	63.
8	573.8	64.6	574.9	574.	573.4	574.	574.2	64.1	574.2	572.5	572.2	572.2	63.7
10	565.2	68.4	565.2	564.8	566.	565.6	564.7	68.	568.8	567.1	568.5	565.8	68.
11	590.5	67.	581.9	577.4	573.	571.	573.9	66.2	577.7	579.	579.1	575.1	65.5
12	567.3	66.2	566.1	565.8	565.3	565.6	565.3	66.4	567.	568.6	568.8	568.5	66.2
13	554.4	60.1	555.8	555.5	556.	555.1	552.8	59.6	552.	551.6	550.1	551.2	59.2
14	558.8	63.5	563.3	562.	562.3	560.7	561.	62.	561.	561.7	561.7	561.9	61.
15	573.4	59.8	572.3	568.	568.4	572.	576.9	59.1	571.7	576.7	584.7	596.6	58.7
17	573.7	65.	573.6	573.	573.3	573.	572.8	65.	573.2	572.	575.3	573.2	64.7
18	601.	66.8	591.8	566.2	558.7	572.4	576.2	65.	581.3	587.8	597.3	619.1	64.
19	572.7	68.5	571.8	571.8	573.4	573.9	573.7	69.2	573.8	574.5	574.3	573.9	68.3
20	581.6	68.	580.7	578.8	576.4	576.6	578.2	68.	580 5	580.5	580.7	580.5	68.
21	559 2	61.2	556.2	556.6	559.3	561.3	565.4	61.4	566.4	567.	565 1	558.4	61.7
22	542.	56.6	541.3	542.1	542.	542.5	541.7	55.5	542.1	641.	539.8	538.4	54.6
24	532.6	51.7	534.1	535.	533.	534.	533.7	50.8	531.3	535.	532.	530.7	49.8
25	539.7	57.8	540.	540.8	543.7	543.2	543.3	58.	545.	546.	545.1	544.6	58.
26	560.2	67.1	560.9	561.2	561.7	561.7	563.1	67.	563.6	563.3	562.8	564.4	67.
27	549.	55.8	547.	546.5	544.8	544.7	548.	56.1	551.	551.9	548.1	548.6	56.2
28	558.3	59.3	562.3	562.9	564.2	567.7	567.7	59.7	565.4	564.	565.1	566.5	60.
29	587.3	67.9	588.5	590.	591.7	591.3	590.8	68.	590.4	591.7	593.	594.4	68.
31	589.2	67.5	587.6	588.6	585.2	586.6	586.	67.5	583.5	584.7	582.2	578.1	67.5
Means	564.7	62.4	564.5	563.1	562.9	563.9	564.9	62.2	565.4	566.	566.5	567.	61.9
Reduced to 32° Fah	482.5		482.4	481.2	481.1	482.2	483.3		484.	484.8	485.5	486.3	

Göttingen time..... Observatory time.....	h. m. 15 32 9 51½	Therm., Fah.	h. m. 15 38 9 57½	h. m. 15 44 10 03½	h. m. 15 50 10 09½	h. m. 15 56 10 15½	h. m. 16 02 10 21½	Therm., Fah.	h. m. 16 08 10 27½	h. m. 16 14 10 33½	h. m. 16 20 10 39½	h. m. 16 26 10 45½
Jan. 1.....	568.4	59.9	576.3	586.7	587.9	592.1	591.1	59.9	595.3	602.2	607.	615.2
3.....	518.7	49.9	520.7	519.7	520.	518.5	519.2	50.7	520.8	522.2	524.1	526.5
4.....	558.5	62.5	558.3	558.9	562.9	564.8	567.6	63.	571.5	572.4	573.	575.
5.....	550.3	58.	553.7	555.6	558.3	559.	560.6	58.	562.4	564.3	561.8	565.4
6.....	549.6	52.	550.5	552.4	552.6	554.1	554.7	52.3	556.4	557.	558 4	559.5
7.....	.....	63.2	571.5	573.7	576.1	574.6	573.4	63.	572.1	573.2	574.4	576.
8.....	584.6	61.	583.4	584.	585.7	585.4	586.	61.4	586.8	587.2	587.9	589.7
10.....	581.2	69.	581.6	582.6	585.	585.6	586.7	68.8	590.	590.5	591.7	594.8
11.....	570.1	67.6	572.4	573.6	577.4	578.3	579.6	67.8	577.4	579.3	580.	579.9
12.....	566.2	65.	568.1	571.1	572.4	574.5	575.8	65.	578.3	576.3	579.4	580.
13.....	563.	62.	563.8	565.3	566 4	568.4	568.3	62.	570.8	572.	.....	577.4
14.....	.....	59.7	571.3	572.8	575.2	574.8	577.2	59.7	579.8	580.6	581.1	580.2
15.....	571.5	61.5	572.7	571.8	572.7	574.1	573.7	61.8	573.2	574.3	575.9	575.6
17.....	.....	....	.....	.....	.....	.....	591.8	65.3	594.1	597.6	599.2	600.5
18.....	579.8	66.2	587.9	588.6	593.7	602.2	603.6	67.2	604.7	614.	618.8	627.8
19.....	.....	65.2	580.9	589.2	593.5	591.3	592.	65.3	591.4	592.3	593.6	596.
20.....	582.2	64.	587.1	588.4	588.7	589.9	593.1	64.7	593.3	594.	595.	596.7
21.....	572.1	57.	572.1	572.5	572.7	573.3	576.	57.	577.	577.6	580.9	582.3
22.....	561.2	61.	564.3	566.	566.9	569.4	570.3	60.8	573.9	573.2	576.1	578.2
24.....	535.4	55.2	538 4	539.1	540.1	540.3	540.1	55.1	541.9	542.3	514.2	546.5
25.....	551.5	50.	551.1	551.8	550.4	548.7	548.5	50.3	543.6	545.2	542.4	545.
26.....	546.9	59.	549.	549.3	550.1	551.6	551.8	59.7	554.5	555.8	557.7	558.7
27.....	556.7	60.	557.6	557.2	557.	558.4	560.	60.	559.8	561.1	558.5	.....
28.....	547.1	58.3	547.2	545.7	550.4	553.2	553.3	58.5	552.2	553.	553.7	555.
29.....	540.9	57.	544.7	548.	548.5	549.7	550.9	58.	550.2	555.8	559.2	559.4
31.....	596.3	67.2	598.8	601.2	604.8	608.7	611.5	67.	612.4	613.8	616.2	612.4
Means.....	561.5	60.5	564.9	566.6	568.4	569.6	571.4	60.9	572.4	574.1	575.7	578.1
Reduced to 32° Fah...	485.5		488.	489.6	491.4	492.4	493.4		494.3	495.9	497.7	499.5

Göttingen time Observatory time	h. m. 16 32 10 51½	Therm., Fah.	h. m. 16 38 10 57½	h. m. 16 44 11 03½	h. m. 16 50 11 09½	h. m. 16 56 11 15½	h. m. 17 02 11 21½	Therm., Fah.	h. m. 17 08 11 27½	h. m. 17 14 11 33½	h. m. 17 20 11 39½	h. m. 17 26 11 45½	Therm., Fah.
Jan. 1	615.3	59.8	616.7	618.1	610.3	611.4	614.1	59.8	609.7	608.6	604.2	592.	59.7
3	526.7	51.2	528.2	529.5	528.4	528.9	529.5	52.	530.8	532.	532.3	532.4	52.9
4	575.9	62.7	576.3	578.	579.5	579.4	579.1	62.8	579.1	579.5	579.2	576.	62.8
5	564.4	57.7	566.9	565.4	565.8	565.	562.	57.4	563.	563.6	562.	558.	57.
6	561.4	53.	562.1	564.6	563.9	563.4	565.2	53.8	568.3	570.1	569.6	569.5	54.5
7	578.1	63.8	578.3	580.	579.9	583.	584.2	63.9	581.5	581.8	585.1	587.5	64
8	590.6	61.7	589.5	591.7	591.6	592.3	591.4	62.5	590.3	588.4	587.	588.8	63.2
10	594.3	68.	595.	595.	594.	592.7	593.5	68.	594.7	593.3	592.2	593.2	68.
11	579.2	68.2	578.2	576.8	578.2	581.2	580.4	69.	582.1	584.6	587.8	.....	69.
12	.....	65.	581.4	580.6	580.3	581.3	580.8	65.	581.4	581.	581.4	579.5	65.
13	578.5	62.	577.9	579.	580.6	582.4	580.5	62.	581.	581.4	578.8	576.6	62.
14	579.7	60.7	578.8	579.	579.5	579.2	580.	61.8	580.6	581.1	581.5	583.5	62.3
15	577.6	62.	576.	578.8	579.3	579.	577.7	62.	576.9	575.	575.3	573.6	62.
17	601.8	65.8	603.1	605.5	605.3	607.	606.9	65.9	607.1	608.5	609.7	610.8	66.
18	630.1	68.1	631.5	627.9	628.6	622.2	621.2	68.3	631.2	638.	646.7	648.4	68.5
19	593.4	65.7	593.3	595.7	594.	594.7	594.8	66.	596.	596.	595.3	594.5	66.
20	598.3	65.1	599.3	600.3	600.2	600.9	600.6	65.9	601.3	602.3	602.1	602.3	66.3
21	581.2	56.5	580.8	580.7	580.5	579.5	579.	56.	579.	577.4	577.2	574.3	55.9
22	577.1	60.6	577.5	576.5	577.	576.6	576.	60.4	575.4	576.2	574.5	574.1	60.3
24	547.6	55.2	547.2	547.6	547.	548.2	549.	55.3	549.4	546.9	545.	544.4	56.3
25	542.6	51.3	543.7	539.5	543.6	543.5	543.	52.3	544.6	543.9	542.9	545.4	53.6
26	559.9	60.4	560.6	562.7	563.	564.	564.5	61.	565.5	566.3	566.8	567.	61.2
27	.....	59.5	559.	560.	560.7	560.6	561.7	59.	.....	559.9	560.8	559.2	58.1
28	556.5	58.7	557.	555.7	557.7	558.4	558.6	58.9	559.4	558.5	559.5	.....	59.1
29	563.2	59.	565.6	568.1	569.4	.....	.....	60.	572.6	576.1	577.5	579.8	60.9
31	614.	66.5	615.4	615.1	615.5	.....	615.3	66.5	614.1	615.3	614.2	615.3	66.5
Means	578.6	61.1	578.4	578.9	579.	578.1	579.6	61.3	580.6	580.2	580.3	580.3	61.5
Reduced to 32° Fah	500.3		499.7	500.1	500.1	499.4	500.2		501.1	500.9	500.9	501.2	

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	6 00	6 06	6 12	6 18	6 24	6 30	6 36	6 42	6 48	6 54
Observatory time	0 19½	0 25½	0 31½	0 37½	0 43½	0 49½	0 55½	1 01½	1 07½	1 13½
Feb. 1	568.3	569.3	567.5	566.7	562.	559.8	560.7	560.	559.3	556.7
2	560.5	560.2	560.6	560.6	560.	558.5	558.7	558.9	559.	559.3
3	562.1	562.2	562.9	562.8	562.7	562.7	563.	563.	563.2	563.1
4	561.1	561.1	561.3	560.8	560.6	560 7	560.4	560.	560.	560.8
5	567.2	566.5	566.7	566.9	566.8	568 4	566.8	568.	567.2	567.5
7	573.	573.3	570.7	.....	567.7	555.	554.7	558.7	560.9	555.6
8	564.1	563.8	562.9	564.5	564.1	563.8	564.6	565.2	.....	563.7
9	565.5	564.8	563.7	563.7	565.4	565.1	565.	564.9	565.	565.
10	563.5	564.	564.1	563.9	563.2	563.6	563.6	562.9	563 2	564.5
11	564.8	565.5	563.6	564.8	562.7	562.7	562.8	563.6	564.4	564.1
12	575.8	.....	583.8	584.9	585.7	588.3	591.3	591.9	590.1	588.8
14	555.5	557.1	557.3	556.5	554.3	554.8	555.4	554.9	555.	554.5
15	566.	567.	567.2	.....	567.4	568.1	567.4	.....	568.8	568.3
16	567.6	568.2	565.6	566.9	.....	.....	.....	.....	.....	.....
17	565.	570.2	568.5	569.1	568.7	562.1	562.3	561.4	565.7	566.8
18	566.3	566.8	564.6	565.6	564.5	565.1	565.4	565.2	563.9	564.4
19	567.	566.4	564.7	564.7	564.2	564.6	563.8	564.5	564.6	563.8
21	565.1	565.3	565.2	565.4	565.9	566.6	566.6	566.9	566.9	566.6
22	563.3	563.3	562.4	564.4	563.4	563.8	564.4	564.5	566.3	565 4
23	562.1	562.3	561.7	561.8	563.6	563.	562.8	563.1	563.5	562.9
24	565.8	565.9	565.8	565.3	564.6	563.8	564.2	565.4	566.5	566.1
25	561.3	563.5	565.8	568.4	573.3	571.2	570.9	569.8	568.6	567.8
26	563.3	564.1	565.6	564.2	563.1	563.4	564.4	563.8	563.3	563.2
28	565.4	566.1	565.6	566.	564.7	563 8	563.6	564.2	563.4	563.3
Means	565.	565.1	565.3	565.4	565.2	564.3	564.5	564.6	564.7	564.4

Göttingen time	h. m. 7 00	h. m. 7 06	h. m. 7 12	h. m. 7 18	h. m. 7 24	h. m. 7 30	h. m. 7 36	h. m. 7 42	h. m. 7 48	h. m. 7 54
Observatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 13½
Feb. 1	558.1	556.	550.8	556.3	557.9	561.2	557.4	555.3	558.3	557.3
2	558.	560.7	559.1	559.4	559.4	557.7	558.8	558.6	554.1	553.5
3	563.4	563.2	563.3	562.7	562.7	562.9	563.1	563.3	561.4	561.
4	561.	560.5	560.7	561.1	561.	561.3	561.3	560.4	560.9	561.3
5	567.1	567.2	567.	566.1	567.6	567.6	566.9	566.8	566.1	564.8
7	551.	551.4	555.	559.2	565.2	566.	564.7	565.7	566.3	567.9
8	564.8	564.	564.	.....	564.7	564.1	564.1	564.	564.5	564.2
9	563.2	564.9	563.1	563.5	566.4	563.9	563.8	563.5	563.4	563.6
10	564.	564.6	565.	565.	565.2	565.4	565.2	566.	565.7	565.6
11	564.6	564.3	564.4	564.3	564.6	565.1	565.2	565.8	565.1	567.6
12	588.3	587.	585.6	584.7	582.7	579.4	578.8	575.2	572.3	569.4
14	554.	553.6	552.5	552.5	553.	553.9	555.	555.4	555.2	555.1
15	567.3	568.5	.....	.....	.....	.....	568.6	566.6	568.1	567.4
16	.....	566.7	568.5	567.3	566.3	566.6	565.8	566.7	566.4	566.2
17	569.8	570.1	569.5	571.6	570.7	569.3	569.5	567.9	568.5	567.5
18	564.2	565.7	565.8	568.7	568.3	568.8	565.4	567.6	566.6	567.4
19	563.2	564.7	566.3	566.7	565.5	566.1	564.1	564.3	563.8	563.5
21	567.2	566.9	566.8	566.	564.8	563.4	564.1	564.2	563.9	563.9
22	565.6	564.5	564.1	564.9	565.3	564.9	566.2	566.1	564.3	563.2
23	563.2	563.9	564.5	564.5	562.4	562.3	563.	562.8	563.4	563.2
24	566.8	567.1	566.5	567.3	568.1	567.8	568.8	568.5	568.9	568.9
25	567.6	565.9	564.2	564.9	564.	563.4	563.8	562.8	563.4	563.6
26	562.5	562.5	563.2	563.2	562.4	562.1	561.5	555.5	555.3	557.3
28	564.9	564.9	564.	563.4	563.9	563.3	564.1	564.	564.3	564.7
Means	564.3	564.5	564.1	564.7	564.9	564.6	564.5	564.	563.8	563.7

Göttingen time	h. m. 18 00	h. m. 18 06	h. m. 18 12	h. m. 18 18	h. m. 18 24	h. m. 18 30	h. m. 18 36	h. m. 18 42	h. m. 18 48	h. m. 18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
Feb. 1	547.	551.2	555.3	552.2	552.8	553.3	552.2	552.6	551.3	552.3
2	554.1	554.1	554.	554.	553.2	552.2	553.5	554.	552.8	552.8
3	556.	555.3	555.8	555.2	555.7	556.	555.6	554.4	555.7	555.3
4	554	553.7	554.	553.3	553.	552.5	553.8	553.3	553.3	553.2
5	560.1	559.6	559.3	559.1	559.4	558.5	558.1	558.1	557.3	556.7
7	556.8	557.	556.	555.4	554.8	556.	556.6	555.8	556.	557.3
8	560.2	559.4	561.1	559.8	558.	558.	557.3	556.9	557.8	557.3
9	559.3	557.8	556.7	557.1	556.1	556.6	556.7	556.2	555.9	556.3
10	562.2	561.	561.1	560.6	560.4	560.4	561.	560.	560.	559.2
11	556.1	556.8	556.3	555.4	555.5	554.4	554.1	554.8	554.1	553.2
12	558.9	558.7	.....	557.5	557.5	556.8	557.4	557.5	557.	556.6
14	560.5	560.5	559.	558.3	558.1	557.7	557.4	555.8	556.	555.8
15	563.8	562.8	563.2	562.3	562.1	562.3	562.	562.3	562.1	562.8
16	560.6	560.8	560.3	559.	559.1	558.3	557.	556.4	555.7	554.6
17	554.2	553.4	555.5	554.3	554.1	555.8	556.6	555.4	557.7	558.
18	555.5	558.	558.7	558.7	560.6	558.3	558.4	558.2	558.4	558.8
19	558.3	557.3	556.	557.	556.6	556.5	555.2	556.	555.8	553.4
21	562.	562.3	562.5	562.2	562.2	562.1	562.1	561.8	561.9	561.6
22	558.3	558.4	558.	558.2	557.8	558.	558.4	557.5	557.	557.8
23	559.8	560.2	559.3	558.7	558.5	558.5	558.6	558.4	558.2	557.2
24	550.4	546.9	548.7	551.	553.6	550.8	547.	544.7	541.9	542.1
25	562.6	560.7	560.1	559.5	559.6	559.5	560.7	560.9	560.4	557.8
26	557.8	557.6	556.9	556.2	556.4	556.3	556.2	555.3	555.3	555.
28	557.8	557.4	557.3	557.	556.4	555.8	555.5	555.5	555.2	554.6
Means	557.8	557.5	557.6	557.2	557.1	556.8	556.7	556.3	556.1	555.8

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	2 00	2 06	2 12	2 18	2 24	2 30	2 36	2 42	2 48	2 54
Observatory time	20 19½	20 25½	20 31½	20 37½	20 43½	20 49½	20 55½	21 01½	21 07½	21 13½
Feb. 1	575.9	572.6	568.4	567.6	566.	569.1	566.1	565.	565.1	565.8
2	561.3	562.	562.7	563.1	563.1	562.6	562.7	562.9	561.7	562.6
3	566.2	568.9	568.6	568.4	566.9	564.5	564.5	564.	564.4	564.7
4	565.5	566.2	565.8	566.	566.2	565.8	566.6	566.8	566.6	566.4
5	562.9	563.3	563.2	564.6	563.3	562.7	563.6	563.2	563.6	564.
7	563.3	564.5	564.5	564.1	564.3	564.6	564.2	562.9	563.5	563.4
8	569.	569.	568.2	568.3	567.6	566.	567.2	566.7	568.	566.8
9	566.2	566.3	566.7	566.8	567.1	569.4	568.3	567.5	564.5	565.7
10	566.6	566.	564.7	564.9	565.8	563.1	565.2	562.9	563.8	566.7
11	568.2	569.2	569.3	568.2	565.9	570.1	574.	678.5	571.9	569.5
12	560.1	560.3	560.	559.5	560.4	559.7	558.8	559.7	558.9	560.5
14	565.6	564.8	565.2	569.4	573.	573.6	575.9	575.2	573.1	570.6
15	565.1	567.3	565.	563.6	565.5	564.1	564.8	565.2	565.1	567.8
16	564.	564.	559.6	561.	559.2	563.4	558.	556.	563.3	561.3
17	558.2	559.6	560.	561.4	560.3	560.8	560.	561.8	562.	561.2
18	571.2	574.8	574.	570.4	570.4	569.2	569.3	570.6	572.2	568.4
19	568.9	569.	571.	571.8	572.1	568.6	569.7	567.1	567.9	564.7
21	562.7	562.9	562.4	562.	563.5	560.5	563.1	565.	563.7	563.3
22	568.2	570.1	570.	570.	566.2	569.	566.6	566.9	566.2	564.6
23	562.3	561.9	561.8	561.2	559.7	559.5	558.5	559.5	561.2	560.7
24	541.3	541.7	544.1	556.7	561.1	569.4	550.9	547.3	563.2	568.4
25	562.2	563.6	564.2	564.1	563.7	564.5	565.	565.	566.5	566.6
26	571.3	573.	574.3	575.3	574.2	572.6	573.	570.2	569.1	567.3
28	569.6	569.5	568.5	565.1	565.	566.6	567.4	567.3	568.2	567.
Means	565.	565.4	565.1	565.5	565.4	565.5	565.1	564.9	565.5	565.3

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	3 00	3 06	3 12	3 18	3 24	3 30	3 36	3 42	3 48	3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
Feb. 1	564.3	564.2	567.	566.	565.2	566.1	566.4	568.	565.3	566.9
2	....	562.2	562.9	563.1	563.3	563.	562.7	563.	563.9	565.5
3	564.9	564.	563.7	563.8	563.6	564.1	564.	564.	565.1	568.
4	565.5	565.8	566.4	566.1	565.2	566.	565.6	566.5	566.7	566.8
5	563.8	564.	564.2	564.	564.1	564.7	564.6	565.1	564.6	564.6
7	564.	564.4	564.4	564.	564.1	564.2	563.9	564.4	564.4	564.2
8	567.2	567.5	568.	568.4	569.5	568.5	566.6	567.4	568.	567.4
9	566.4	566.4	565.7	566.	566.5	566.6	565.6	565.6	565.6	564.7
10	564.2	564.5	563.4	564.1	564.	565.2	565.5	566.	565.1	563.5
11	569.4	572.2	574.5	575.5	575.3	572.5	571.6	574.4	579.2	578.
12	562.3	566.	566.6	564.	561.7	563.4	565.1	565.4	564.6	564.6
14	570.1	569.9	572.2	567.	565.	566.2	568.5	566.4	568.8	568.8
15	567.1	567.1	565.8	565.1	565.	566.3	566.	564.2	564.4	565.4
16	565.9	562.4	562.7	561.8	567.3	568.3	560.7	553.7	556.	563.
17	562.4	561.7	560.7	562.1	562.	560.7	562.2	562.5	562.1	560.8
18	568.6	570.8	572.6	570.6	670.6	569.1	570.	578.4	580.5	579.5
19	563.9	564.3	565.1	564.7	565.	568.8	567.3	568.1	567.9	567.6
21	563.8	562.6	563.4	563.1	562.8	564.1	566.6	567.6	568.5	568.8
22	566.5	564.4	564.1	562.4	562.9	562.6	564.	562.3	564.	562.9
23	561.9	562.	561.2	562.4	559.7	560.1	564.7	569.6	571.9	571.4
24	565.5	562.7	563.6	561.7	563.7	566.	564.1	564.6	564.9	569.8
25	568.	567.5	566.	566.3	565.5	563.7	563.	562.	561.4	561.5
26	565.7	564.5	564.4	565.7	564.5	563.8	563.5	563.7	563.4	562.7
28	566.3	567.2	566.8	566.	565.8	565.9	566.1	566.1	566.4	566.6
Means	565.5	565.3	565.6	565.2	565.1	565.4	565.3	565.8	566.4	566.8

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	13 00	13 06	13 12	13 18	13 24	13 30	13 36	13 42	13 48	13 54
Observatory time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
Feb. 1	562.5	562.5	561.	565.8	559.5	558.9	558.8	560.	561.8	563.4
2	554.4	556.7	556.8	562.	562.9	561.4	562.	563.7	571.5	569.5
3	565.6	565.3	564.9	565.8	566.3	565.2	564.6	562.5	560.	557.
4	.....	.....	.....	566.1	566.1	566.6	567.	566.6	567.	567.1
5	565.4	566.2	566.4	566.7	568.8	568.8	569.2	569.6	569.4	570.1
7	562.4	563.4	565.1	565.1	568.9	568.9	570.5	569 9	568.3	565.4
8	.....	564.6	565.	567.1	567.7	564.9	566.8	566.5	566.6	566.8
9	567.	567.5	567.9	568.	568.4	568.	567.9	568.1	568.3	568.5
10	563.1	563.8	564.8	564.8	565.6	565.8	566.3	567.	567.4	568.6
11	566.1	569.3	569.2	568.5	568.3	568.2	568.7	567.3	567.3	567.
12	576.2	576.8	575.4	576.6	577.6	578.	577.5	575.7	575.7	573.4
14	559.1	560.7	560.	558.8	558.4	559.6	560.2	557.7	560.5	559.9
15	567.	566.	567.2	567.2	566.2	566.6	568.	568.	569.7	568.
16	569.2	567.7	568.	568.3	570.	569.4	571.2	567.5	569.6	569.
17	551.3	550.2	548.5	547.	545.5	549.1	551.8	556.3	556.4	556.5
18	568.	569.4	570.	566.9	565.8	566.2	567.2	567.9	570.7	567.9
19	559.4	559.	558.4	563.2	560.1	561.8	557.4	.....	.....	554.
21	564.9	565.3	564.8	566.3	566.4	566.8	565.6	568.5	567.5	567.7
22	564.6	564.8	564.1	565.3	567.	567.9	568.7	565.5	566.9	565.
23	567.2	567.5	567.5	568.	568.1	567.6	568.3	569.7	567.5	568.
24	573.8	573.	574.5	573.7	574.1	.....	569.8	569.7	570.9	573.5
25	566.2	566.3	566.6	567.1	568.	566.6	566.6	566.5	567.6	567.4
26	567.7	567.5	568.1	567.2	567.8	568.3	568.2	568.7	570.	570.3
28	571.3	571.3	571.8	572.7	572.1	572.1	572.7	572.5	572.5	572.
Means	565.1	565.4	565.5	566.2	565.2	565.9	566.4	566.8	567.5	566.5

Göttingen time Observatory time	h. m. 22 04 16 23½	Therm., Fah.	h. m. 22 10 16 29½	h. m. 22 16 16 35½	h. m. 22 22 16 41½	h. m. 22 28 16 47½	h. m. 22 34 16 53½	Therm., Fah.	h. m. 22 40 16 59½	h. m. 22 46 17 05½	h. m. 22 52 17 11½	h. m. 22 58 17 17½
Feb. 1	720.3	65.7	719.1	719.9	719.2	719.2	719.5	65.5	717.7	718.5	718.6	718.5
2	776.2	76.8	782.9	788.5	795.4	799.5	802.	74.	803.5	806.7	809.2	811.
3	798.	72.5	797.	797.6	797.8	798.5	798.7	72.7	799.4	800.3	800.	800.6
4	846.	74.7	844.7	843.6	842.	841.1	841.5	74.2	838.5	838.5	837.2	836.
5	595.3	57.5	594.9	594.5	594.	593.9	593.	56.8	592.9	592.	591.5	590.8
7	720.2	65.7	721.	720.3	721.6	722.7	722.	65.5	722.2	722.3	722.9	723.6
8	758.1	66.3	756.8	756.2	756.	754.7	755.7	65.7	753.5	752.5	752.	750.1
9	683.9	66.3	684.8	686.	694.1	695.4	696.5	62.3	695.8	694.	694.5	692.4
10	781.3	69.5	781.3	781.6	781.6	781.8	781.9	70.	781.5	782.2	783.5	782.
11	779.2	70.	779.3	777.5	778.1	777.8	778.6	69.5	776.6	776.3	775.5	775.1
12	.....	....	.....	.....	.....	.....	774.5	72.	776.2	777.2	779.	779.7
14	775.2	70.7	775.9	775.5	776.9	776.8	777.	70.2	778.2	778.4	779.	778.4
15	741.2	66.4	740.1	739.1	737.1	736.1	734.8	65.6	732.8	733.1	731.6	730.9
16	706.2	64.3	706.1	705.2	704.2	703.8	703.2	64.	703.4	706.8	700.9	701.5
17	585.4	56.5	586.4	588.	589.1	589.5	589.2	56.6	589.6	587.2	586.3	586.2
18	648.2	59.7	647.4	648.	646.7	642.	640.	60.	640.6	642.	641.8	640.7
19	718.5	70.6	722.5	725.8	726.5	724.5	730.7	71.8	733.	735.9	738.4	738.3
21	627.3	62.7	627.	627.1	627.5	628.	628.9	63.6	629.4	631.2	632.5	634.3
22	722.8	68.2	721.5	722.	721.5	720.5	720.4	67.9	718.7	718.5	717.6	716.8
23	628.9	63.	628.1	626.8	626.7	625.3	625.1	61.9	623.3	622.1	621.	620.1
24	638.1	66.3	636.3	634.	634.6	634.5	630.5	66.4	625.6	625.9	618.8	622.4
25	623.2	62.7	622.6	622.6	622.1	622.1	621.8	62.5	621.8	621.8	622.3	622.4
26	656.8	65.2	656.3	656.5	656.8	657.	657.8	65.2	657.5	657.5	658.	658.1
28	740.	75.	742.6	745.3	747.1	748.6	751.8	75.5	757.1	756.7	760.	761.9
Means	707.4	66.8	707.6	707.9	708.5	708.4	711.5	66.6	711.2	711.6	711.3	711.3
Reduced to 32° Fah.	237.6		238.8	240.2	241.9	242.9	244.4		245.2	246.6	247.4	248.5

Göttingen time Observatory time	h. m. 23 04 17 23½	Therm., Fah.	h. m. 23 10 17 29½	h. m. 23 16 17 35½	h. m. 23 22 17 41½	h. m. 23 28 17 47½	h. m. 23 34 17 53½	Therm., Fah.	h. m. 23 40 17 59½	h. m. 23 46 18 05½	h. m. 23 52 18 11½	h. m. 23 58 18 17½	Therm., Fah.
Feb. 1	719.	65.7	716.7	717.2	717.4	717.8	718.	65.8	719.8	718.8	719.5	719.3	65.8
2	811.5	72.1	813.5	812.	812.5	813.2	807.	72.	811.2	809.9	808.9	807.6	70.3
3	800.6	72.5	800.9	800.9	800.8	800.2	800.3	72.2	799.5	798.5	799.1	799.	72.
4	835.	73.9	833.8	832.4	832.1	831.	830.5	73.6	829.1	828.	826.5	826.1	73.3
5	590.	56.6	589.9	589.5	588.5	587.5	587.6	55.5	586.5	585.4	585.	583.7	54.5
7	725.	66.2	725.5	725.6	727.5	728.8	730.	67.	731.1	733.8	736.2	738.	68.
8	749.	65.2	749.2	748.5	747.3	746.2	745.7	65.1	744.2	743.5	742.4	741.	65.1
9	691.8	61.	692.5	689.5	688.6	686.6	684.5	59.6	681.5	679.5	677.3	675.4	59.2
10	782.6	69.6	783.1	782.5	782.2	782.8	782.5	69.3	782.3	782.1	782.	782.	68.8
11	773.5	68.5	772.9	771.2	770.4	768.7	767.7	68.3	767.	764.6	762.4	761.6	68.
12	780.4	71.	781.	781.4	781.9	782.	782.	70.2	782.	782.5	782.4	782.1	70.
14	777.2	69.4	778.7	778.	778.	778.	776.4	67.7	776.1	773.6	768.5	769.5	66.1
15	728.5	64.8	727.5	726.9	725.8	722.6	720.9	64.	719.8	717.4	715.4	713.	63.3
16	700.6	64.	699.2	699.	698.8	699.2	699.3	64.	697.2	701.7	700.3	699.	64.
17	583.7	55.3	583.7	581.5	581.5	579.5	579.7	54.8	579.	577.9	578.	578.	54.2
18	641.1	60.9	639.2	642.3	643.6	644.7	646.4	61.5	646.1	647.3	648.1	648.5	62.2
19	739.5	71.2	740.7	741.1	741.	740.5	739.8	69.7	739.6	738.8	735.8	733.1	68.2
21	636.1	64.3	638.1	639.2	641.1	643.7	645.5	65.1	646.2	650.6	652.5	659.3	65.
22	716.4	67.4	715.4	716.	713.7	711.5	711.	67.3	712.1	709.5	710.	710.	67.3
23	618.2	61.3	616.1	616.6	615.1	613.5	612.	60.8	611.5	610.2	609.	608.5	60.5
24	625.	66.3	620.2	627.4	629.2	625.1	622.5	65.9	619.5	619.5	626.6	627.7	65.6
25	622.4	62.3	622.	621.9	621.3	621.2	621.8	62.1	621.	620.5	620.1	619.9	61.9
26	658.3	65.1	658.7	658.	658.6	658.4	657.5	64.9	657.6	657.8	658.	658.	64.7
28	761.8	74.	763.	763.6	763.9	764.1	764.2	73.8	765.	764.6	765.9	765.8	72.8
Means	711.1	66.2	710.9	710.9	710.8	710.3	709.7	65.8	709.3	709.	708.7	708.6	65.4
Reduced to 32° Fah.	249.4		250.2	251.3	252.3	252.9	253.4		254.4	255.5	256.5	257.7	

Göttingen time..... Observatory time	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
Feb. 1	755.	67.3	755.1	754.3	753.	752.	752.	67.	748.6	749.2	746.6	748.2
2	723.1	64.4	725.6	724.1	722.7	720.6	720.3	64.	718.7	714.7	713.2	710.3
3	813.8	72.3	812.6	813.	810.2	810.6	810.	73.1	810.9	810.2	810.6	810.7
4	882.	77.3	882.6	880.3	880.5	880.1	879.5	77.1	879.5	878.	878.5	876.6
5	709.1	64.2	707.4	704.8	703.2	700.9	697.1	63.4	696.3	692.4	690.6	687.8
7	560.2	53.2	560.	559.3	556.8	555.	552.6	53.	551.1	551.2	550.4	549.3
8	*812.	70.4	811.3	810.	811.3	810.1	808.2	69.8	807.	808.1	807.	805.6
9	534.3	50.8	535.	534.8	536.2	537.6	538.5	51.5	539.4	540.2	542.5	544.7
10	729.9	65.	729.4	729.1	728.	727.1	727.9	64.6	726.7	726.5	724.4	724.7
11	825.1	74.2	826.4	829.4	829.	829.9	830.4	74.3	833.	832.6	834.7	834.2
12	820.	72.4	818.2	818.7	819.	818.5	816.5	71.5	818.5	818.2	816.	815.1
14	823.5	71.8	823.5	823.1	824.	822.4	824.2	71.6	822.6	821.6	821.1	823.3
15	700.7	62.2	701.	701.1	699.8	699.2	699.7	62.8	698.2	697.8	697.5	699.2
16	686.	61.6	686.	686.	684.	682.7	682.8	62.	682.2	682.	678.7	678.3
17	673.3	60.4	673.4	672.7	676.6	673.3	673.4	60.2	670.5	672.2	671.7	671.3
18	647.5	62.	649.8	651.4	653.3	654.5	657.7	62.	660.4	661.5	665.4	665.9
19	725.2	67.3	725.	724.7	726.6	726.	736.6	67.5	739.1	744.	740.2	742.1
21	568.	58.4	567.1	570.	568.2	568.8	569.5	58.5	571.	570.6	570.2	572.1
22	678.3	65.2	679.3	678.5	678.3	678.	678.1	65.2	677.2	677.2	676.3	675.9
23	629.4	61.8	627.1	626.1	624.9	622.9	620.8	60.8	618.5	617.2	614.5	613.2
24	622.9	62.8	621.7	621.9	621.6	622.3	625.	63.	625.9	625.	625.	619.9
25	605.5	61.	606.3	605.7	605.4	605.2	604.6	61.	604.7	603.7	603.9	603.2
26	679.	65.	678.5	680.2	680.8	680.2	678.6	65.1	681.1	682.	682.5	681.4
28	486.3	61.	488.3	491.7	495.1	498.5	501.7	61.	504.3	507.3	512.2	516.
Means	695.3	64.7	695.4	695.4	695.3	694.8	695.2	64.6	695.2	695.1	694.7	694.5
Reduced to 32° Fah.	254.		254.	254.3	254.5	254.3	255.1		254.	252.8	251.3	250.

* Supplied.

Göttingen time / Observatory time	h. m. 13 34 / 7 53½	Therm., Fah.	h. m. 13 40 / 7 59½	h. m. 13 46 / 8 05½	h. m. 13 52 / 8 11½	h. m. 13 58 / 8 17½	h. m. 14 04 / 8 23½	Therm., Fah.	h. m. 14 10 / 8 29½	h. m. 14 16 / 8 35½	h. m. 14 22 / 8 41½	h. m. 14 28 / 8 47½	Therm., Fah.
Feb. 1	747.3	67.6	747.5	744.7	745.2	745.4	746 7	67.6	746.7	745.6	745.9	747.8	67.7
2	708.5	65.3	708.8	708.1	708.2	710 3	710.8	67.	712.5	715.	717.8	.....	67.
3	811.6	74.	814.9	815.7	817.2	821.1	821.	74.8	820.4	820 7	822.7	823.5	75.5
4	876.6	77.1	876.7	876.2	875.2	875.3	876 3	77.6	876.2	877.	877.	877.6	78.2
5	685.7	62.6	682.5	680.3	677.5	675.1	672.9	61.9	671.1	667.7	666.1	664.8	61.3
7	548.7	52.5	547.5	547.4	546.9	546.4	546.6	52.5	545.5	546.4	547.1	546.7	52.5
8	803.5	69.4	801.2	803.1	799.6	796.9	795.7	69.2	794.2	793.8	792.9	792.5	69.2
9	544.6	52.2	545.5	547.	548.5	550.7	553.2	53.	554.5	558.2	557.8	559.5	53.2
10	724.	64.6	722.9	722.4	722.2	723.	723.5	65.5	723 6	724.	726.	727.	66.7
11	834.3	74.4	838.5	837.8	840.1	840.7	839.3	73.5	839.7	839.1	839.5	838.8	73.
12	813.6	70.4	812.3	811.4	810.3	809.4	808.2	70.2	807.3	805.6	804.	803.	70.
14	819.6	71 3	818.	817.8	817.1	819.	815.	70.7	813.7	812.7	811.5	810.3	70.1
15	699.5	63.2	698.5	697.	695.5	695.	694.4	63.	693.6	693.2	693.	692.5	63.
16	678.5	62.4	677.5	678.5	678.7	680.8	681.3	62.8	680.2	680.4	680.	683.	63.
17	671.6	60.	669.9	669.	669.9	665.7	663.4	59.8	665.4	664.	662.8	661.	59.8
18	666.8	62.2	667.6	670.1	670.1	669.9	670.8	62.2	672.6	673.5	675.	676.6	62.6
19	.....	68.	.....	.....	.....	710.4	678.3	68.2	672.2	.....	.....	702.5	68.2
21	571.9	58.4	572.7	571.4	569.	567.9	565.3	58.	564.6	563.9	564.2	563.4	58.
22	675.9	64.7	675.7	673.7	673.	674.	672.8	64.3	671.2	670.9	668.6	666.5	64.
23	611.3	60.	610.	611.	606.9	605.	603.7	60.5	603 4	603.2	603.5	603.5	60.5
24	625.7	62.6	626 2	624.1	624.2	623.1	622.8	62.4	621.9	621.9	622.6	623.3	63.
25	603.2	61.	603.2	602.9	603.3	602.7	603.	61.1	602.7	602.6	602.2	602.7	61.
26	680.5	65.2	680.2	678.7	679.7	677.3	677.3	65.2	677.1	675.7	674.1	671.9	65.1
28	520.2	60.8	524.3	528.8	532.6	537.1	542.1	60.8	547.	552.2	556.5	561.8	62.2
Means	692.3	65.	692.3	692.	691.8	692.6	691.	64.7	690.7	691.6	691.8	691.3	64.8
Reduced to 32° Fah	248.2		249.1	249.7	250.4	250.4	249.6		249.	250.9	250.8	249.9	

Göttingen time Observatory time	h. m. 11 32 5 51½	Therm., Fah.	h. m. 11 38 5 57½	h. m. 11 44 6 03½	h. m. 11 50 6 09½	h. m. 11 56 6 15½	h. m 12 02 6 21½	Therm., Fah.	h. m. 12 08 6 27½	h. m. 12 14 6 33½	h. m. 12 20 6 39½	h. m. 12 26 6 45½	Therm., Fah.
Feb. 1	554.	62.3	554.2	554.5	557.9	553.6	553.8	62.3	553 7	551.1	519.8	548.4	61.8
2	552.7	60.4	554.	549.1	548.2	547.1	546.1	60.5	549 8	553.7	557.	556.1	60.7
3	592.8	69.6	593.3	595.4	598.4	598.2	396.2	69.6	598.7	598.8	599.	601.1	69.6
4	616.5	76.	616.2	616.8	615.5	615.3	615.7	75.5	617 4	619.	618.9	617.6	75.5
5	587.2	65.7	587.7	587.	588.	584.9	584.8	64.2	585.5	584.1	582.9	583.3	63.
7	568.8	52.7	569.1	567.9	567.5	571.	569.3	52.5	567.8	571 7	571 8	571.1	52
8	574.2	65.5	576.5	577.	570.6	573.4	573.6	65.3	573.2	573.	576.3	571.8	64.5
9	514.2	44.	514.1	511.4	512.7	514.	511.4	44.	511.	510.9	509.8	509.	44.
10	541.6	59.2	541.9	540.9	544.7	545.	546.6	59.4	550.3	550.9	550.8	552.4	59.
11	558.	66.7	556.3	558.	558.1	553.	555.2	67.	554.7	553.3	554.7	553.	67.3
12	599.3	68.	599.6	596.4	602.2	600 8	601.4	68.	600.	602.2	603.2	601.8	68.
14	580.4	67.4	578.7	581.1	581.5	580.2	579.	67.5	581.4	581.7	576.8	583.2	67.5
15	538.	54.8	538.7	538.2	541.2	539.1	540.7	54.9	539.5	540.5	540.7	539.2	55.3
16	560.5	58.6	562.3	560.	560.5	559.9	563.3	58.4	562.6	562.9	561.2	560.	58.
17	544 3	51.	542.5	543.9	547.7	552.9	555.	51.1	553.3	553.8	557.	557.5	51.2
18	541.5	52.3	538.2	540.1	541.	537.6	534.7	52.8	530.8	532.5	531.2	534.9	53.5
19	603.2	64.6	605.5	605.	605.2	603.4	605.	64.7	606.6	606.3	607.	606.3	65.
21	543.2	51.4	540.3	540.8	540.6	541.2	542.6	51.3	541.5	539.8	543.4	542.6	51.4
22	550.1	58.9	552.3	552.7	550.8	549.3	549.8	59.	549.5	554.9	553.5	552.7	58.8
23	551.3	56.7	553.6	550.7	547.7	549.6	552.	56.	551.8	550.6	550.	551.1	56.
24	536.	58.5	536.	533.8	546.2	544.3	545.	58.7	546.2	545.9	545.7	545.3	58.8
25	.....	....	.....	.....	.....	.....	.....	....	.....	579.5	580.8	583.1	58.3
26	587.5	63.8	582.6	584.9	580.9	584.6	588.8	63.8	590.	587.5	590.5	589.	63.8
28	543.4	50.2	539.5	535.8	536.7	537.	534.3	51.	535.7	534.1	537.4	536.6	51.8
Means	562.6	59.6	562.3	561.8	562.8	562.4	562.8	59.9	563.1	564.1	564.5	564.6	59.8
Reduced to 32° Fah	488.1		487.7	487.	487.9	487.3	487.5		487.9	489.	489.5	489.6	

Göttingen time..... Observatory time.....	h. m. 21 02 15 21½	Therm., Fah.	h. m. 21 08 15 27½	h. m. 21 14 15 33½	h. m. 21 20 15 39½	h. m. 21 26 15 45½	h. m. 21 32 15 51½	Therm., Fah.	h. m. 21 38 15 57½	h. m. 21 44 16 03½	h. m. 21 50 16 09½	h. m. 21 56 16 15½
Feb. 1.....	560.7	61.	560.7	558.2	558.5	554.4	553.9	61.	552.2	551.8	553.9	552.2
2.....	574.8	66.	575.6	571.8	572.3	570.6	565.4	66.	568.	570.7	572.3	572.
3.....	619.7	71.3	616 5	615.9	615.4	613.	611.4	71.2	609.5	612.5	608.8	609.2
4.....	628.	74.	629.	626.6	624.4	622 4	622.3	74.	621.7	620.	619.7	619.6
5.....	564.	56.	563.4	562.9	562.5	561 1	559.7	55.8	558.1	556.5	555.	555.6
7.....	593 6	62.	588.4	578.	585.	585.	597.8	62.1	610.5	615.2	614.7	618 2
8.....	569.2	60.8	567.5	565.2	567.	565.5	564.7	60.4	560.5	559.5	562.	559.2
9.....	537.3	54,	538.2	539.1	539.4	539.	539 7	53.6	537.9	536.8	537.2	535.
10.....	570 7	66.	569.4	568.6	569.2	570.6	567.8	66.	568.8	567.2	566.2	565.3
11.....	.....	....	.....	.....	.....	598.6	593.9	67.5	592.3	591.1	599.8	607.
12.....	597.5	67.8	596.5	594.	592.5	589.5	593.2	67.8	594.7	597.1	598.8	602 9
14.....	604.9	64.	613.5	610.8	603 1	598.9	600.6	64.3	601.7	597.	586.4	586 2
15.....	550.7	59.9	551.1	552.2	550.1	548.2	547.3	59.5	547.6	550.	549.7	550.8
16.....	558.5	61.5	561.7	554.5	554.8	548.1	552.4	61.	539.5	554.6	566.4	565.9
17.....	535.2	49.3	536.7	538.2	538.	539.2	540.	49.7	537.2	536.5	537.	536.3
18.....	595 2	56.6	596.5	604 4	592 1	580.	587.1	56.6	594.8	597.8	590.8	590.
19.....	578.3	64.	581.5	579.4	574.9	574.7	568.7	64.3	571.2	565.9	565.	567.1
21.....	566 8	56 6	564.1	564.3	566.1	565.9	566.8	56.8	565.9	568.5	567.5	563.9
22.....	568.3	63.5	568.5	570.	569.2	570.	570.	63.4	569.5	568.4	567.4	567.4
23.....	554.3	59.	554.	553.6	557.7	554.7	557.	59.	556.7	556.4	555.4	556.9
24.....	645.2	63.4	647.5	640.6	633.7	639.	626.9	63.5	621.7	634.7	644.9	641.2
25.....	575.4	59.4	575.4	575.2	575.3	575.8	576.1	59.6	577.8	591.8	596.4	595.8
26.....	590.7	62.	589.5	588.1	588.	588 6	580.	62.1	587.7	588.5	589.6	585.2
28.....	570.7	68.2	573.6	570.	569.8	574.4	570.5	70.	568.2	564.6	564.7	563.7
Means.....	578.7	62.	579.1	577.5	576.5	576.1	575.5	62.3	575.1	577.2	577.9	577.8
Reduced to 32° Fah...	497.7		498.1	496.4	495.4	494.4	493.7		493.3	495.5	496.2	496.2

Göttingen time..... Observatory time.....	h. m. 22 02 16 21½	Therm., Fah.	h. m. 22 08 16 27½	h. m. 22 14 16 33½	h. m. 22 20 16 39½	h. m. 22 26 16 45½	h. m. 22 32 16 51½	Therm., Fah.	h. m. 22 38 16 57½	h. m. 22 44 17 03½	h. m. 22 50 17 09½	h. m. 22 56 17 15½	Therm., Fah.
Feb. 1	550.3	60.7	549.6	554.6	554.7	552.4	540.	60.3	540.2	544.2	547.	543.5	60.
2	568.9	66.	568.	566.5	566.6	566.5	567.	66.	568.2	570.6	570.	569.3	66.
3	606.	71.	604.7	611.8	606.	603.7	605.5	71.	610.4	611.9	610.2	607.5	71.
4	619.5	73.3	618.3	617.1	619.4	622.6	627.2	73.	634.6	641.7	644.3	644.	73.
5	556.1	55.5	557.6	559.7	560.3	562.8	564.9	55.	563.2	563.5	562.1	560.	54.8
7	601.1	62.	592.8	593.9	595.8	605.7	608.	62.	607.7	602.	605.	607.7	62.
8	561.1	59.8	559.9	561.5	562.	557.5	560.2	59.	561.	564.	574.7	580.5	58.4
9	536.	53.2	537.	536.7	536.8	536.8	536.3	53.	536.7	536.2	535.2	534.2	53.
10	565.9	66.	565.1	565.8	565.	565.8	565.	66.	566.	564.6	566.7	565.5	66.
11	608.9	67.	605.	605.1	608.7	607.9	606.2	66.5	605.8	604.	606.7	607.	66.
12	600.4	67.5	598.2	598.7	596.3	596.1	596.2	68.	594.	594.2	594.	591.1	68.5
14	586 1	64.6	585.4	583.5	583..	579.5	579.	64.3	577.7	577.4	577.5	577.	64.3
15	551.6	59.4	554.2	552.9	553.2	551.4	545.5	59.2	554.5	557.	559.1	558.	59.2
16	559.4	60.6	571.1	569.4	563.7	559.1	557.2	60.	559.	560.4	559.6	557.7	59.6
17	537.5	49.8	534.9	538.	540.3	541.	547.3	49.7	534.	533.3	540.7	540.7	49.7
18	590.4	56.7	602.2	607.3	597.2	594.	600.2	56.7	.....	606.4	594.4	599.1	56.6
19	571.4	64.7	571.6	572.7	569.7	571.3	573.2	64.9	568.1	570.7	564.9	567.	65.1
21	562.1	57.	560.3	559.5	560.3	558.	558.1	57.2	559.8	556.	556.7	556.8	57.
22	566.9	63.4	567.8	567.3	567.¾	564.5	567.7	62.9	566.1	566.9	566.6	567.3	62.8
23	553.9	59.	554.4	554.3	555.4	555.6	556.	58.7	554.6	554.3	553.6	554.6	58.6
24	649.7	63.6	635.6	646.5	658.6	633.4	614.7	63.7	626.2	610.1	615.	646.8	63.8
25	593.5	59.8	589.	582.3	581.	573.3	574.8	59.8	575.4	575.3	574.4	575.4	59.9
26	586.3	62.2	585.3	587.9	587.2	587.	589.1	62.3	588.1	587.3	587.8	586.4	62.4
28	563.5	70.8	563.3	563.7	563.2	559.2	566.2	71.8	567.	565.6	576.	569.3	71.2
Means	576.9	62.2	576.3	577.4	577.1	575.9	575.2	62.1	574.7	575.7	576.7	577.8	62.
Reduced to 32° Fah.	495.4		494.8	496.	495.7	494.6	493.9		492.9	494.5	495.6	496.8	

Göttingen time..... Observatory time.....	h. m. 1 02 19 21½	Therm., Fah.	h. m. 1 08 19 27½	h. m. 1 14 19 33½	h. m. 1 20 19 39½	h. m. 1 26 19 45½	h. m. 1 32 19 51½	Therm., Fah.	h. m. 1 38 19 57½	h. m. 1 44 20 03½	h. m. 1 50 20 09½	h. m. 1 56 20 15½
Feb. 1	574.6	60.8	579.1	580.5	580.	582.7	589.	61.	590.	593.2	592.3	595.9
2	578.2	65.1	578.	577.2	576.2	574.9	575.8	65.1	576.7	578.2	581.7	580.
3	607.9	70.5	608.4	608.3	609.3	607.5	609.2	70.7	608.8	607.3	602.1	603.1
4	619.7	71.8	618.7	618.4	622.6	621.7	621.	71.8	620.3	621.	620.	620.6
5	555.8	53.2	556.2	556.1	555.8	554 9	556.	52.6	555.6	554.9	554.7	555.
7	613.9	65.5	609.3	606.	603.	603.	599.5	65.1	597.8	597.2	596.1	595.
8	564.8	56.	566.1	564.9	564.6	562.	563.2	54.7	560.8	557.	554.	555.9
9	533.6	53.8	532.8	533.6	534.5	533.	536.	54.	536 3	535.3	537.3	537.4
10	.....	64.	.....	566.3	566.4	566.1	568.1	64.	570.1	571.1	571.5	571.1
11	640 2	64.9	641.3	635.4	633.6	634.	634.5	64.8	639.5	641.5	645.5	646.3
12	594.5	66.	594 3	592.5	592.2	592.6	592.	66.	592.3	593.1	593.5	593.5
14	566.2	58.3	567.3	566.8	562.7	562.8	558.5	57.8	562.	565.3	564.5	561.
15	552.2	58.3	553.2	554.	552.2	551.5	553.2	58.8	553.9	553.3	555.1	555.5
16	573.1	59.	576.2	579.6	580.3	584.1	588.7	58.5	602.	614.3	627.4	641.
17	537.	46.9	535.2	536.7	536.4	533.5	532.4	46.9	534.	535.3	538.8	537.
18	591.1	58.8	589.7	584.4	583.8	584.3	585.5	59.7	585.4	583.8	585.2	582.
19	582.8	58.4	580.5	581.9	583.5	583.3	581.	57.1	578.1	578.3	580.1	577.8
21	558.1	60.2	559.	557.	555.9	556.3	554.7	60.2	557.3	558.9	559.	558.7
22	570.	61.9	570.2	570.3	570.8	572.	572.2	61.2	572.3	570.4	568.8	566.5
23	557.5	56.5	555.1	558.5	557.1	558.4	560.5	56.4	560.1	559.	561.6	560.4
24	676.	62.4	649.3	622.2	619.3	665.	668.7	61.9	666.8	656.	654.6	668.7
25	584.2	59.3	582.4	581.7	577.6	580.	581.1	59.7	584.2	583.	585.1	582.3
26	591.6	61.1	589.9	587.3	587.5	592.1	596.1	61.1	594.7	599.8	598.4	597.
28	581.5	69.	582.3	584.	585.2	582.5	586.3	68.9	591.5	598.3	604.4	603.
Means	582.8	60.9	581.5	579.3	578.8	580.7	581.8	60.8	582.9	583.6	584.6	585.2
Reduced to 32° Fah.	505.		503.7	501.3	500.9	502.9	504.		505.2	506.1	507.3	508.1

Göttingen time Observatory time	h. m. 2 02 20 21½	Therm., Fah.	h. m. 2 08 20 27½	h. m. 2 14 20 33½	h. m. 2 20 20 39½	h. m. 2 26 20 45½	h. m. 2 32 20 51½	Therm., Fah.	h. m. 2 38 20 57½	h. m. 2 44 21 03½	h. m. 2 50 21 09½	h. m. 2 56 21 15½	Therm., Fah.
Feb. 1	590.6	60.8	587.3	583.8	580.6	576.7	573.	61.	570.1	570.5	566.2	564.1	61.
2	580.8	65 4	580 6	581.1	582.1	582.7	581.6	65.8	582.	581.5	580.	580.6	65.9
3	602.1	71.4	605.4	605.5	603.3	602.3	606.7	72.	607.5	608.	608.8	610.1	72.3
4	621.7	71.6	620.3	621.	617.5	617.7	617.8	71.	615.9	615.	615.7	615 7	71.
5	556.	52.	555.	556.1	556.1	555.9	555.2	51.9	555.3	555.8	555.5	555.6	51.7
7	593.8	65.	598.5	599.5	598.2	597.4	595.4	65.	595.3	595.7	596.6	596.7	65.
8	549.7	53.	548.1	546.5	546.8	546.4	548.6	52.6	548.1	547.	545.2	544.5	52.
9	537.7	53.5	540.2	539.4	539.	537.4	537.8	52.7	539.4	537.1	538.2	538.5	51.4
10	571.3	63.5	571.2	570.9	573.7	571.8	572.3	63.	571.5	572.2	573 1	573.1	62.6
11	646.5	64.6	646.9	647.	649.5	652.7	654.3	63.7	650.6	648.2	650.1	650.4	63 5
12	592.	66.	594.4	594.2	593.1	592.4	593.1	66.	594.	595.	597.1	598.9	66.
14	559.4	57.4	567.	567.7	574.	571.	569.4	56.7	571.	569.4	574.9	573.2	56.2
15	556.5	58.8	555.6	557.8	555.5	555.8	557.1	58.8	556.1	556.5	555.1	556.8	58 8
16	652 6	58.	657.3	664.7	657.	661.	649.2	57.2	647.3	644.1	643.4	634.5	57.
17	542.7	47.	541.6	540.5	540.5	541.8	543.5	47.5	542.6	542.3	540.	542.	47.7
18	594.3	60.6	596.2	593.	594.9	595.6	595.1	60.4	597.	612.4	612.7	610.7	60.4
19	575.2	55.8	569.4	561.4	562.8	563.3	567.	54.9	565.9	558.9	560.	561.	54.
21	558.2	59.6	558.5	559.8	559.6	557.6	561.8	59.4	561.	559.8	560.3	559.6	59.2
22	563.8	60.4	563.9	562.5	563.9	565.3	567.5	59.8	568.2	567.	567.5	568.4	59.8
23	562.2	56.	564.6	566.	565.8	566.	565.7	55.4	564.2	563.4	561.4	560.8	55.
24	655.	61.4	654.9	665.1	664.4	651.5	640.6	60.9	642.6	652.	647.8	642.7	60.5
25	592.	60.2	590.	595.	594.5	590.2	593.4	60 8	589.8	587.9	594.4	588.8	61.
26	594.3	60.9	592.2	587.6	585.6	582.3	584.7	60 5	585.2	584.4	586.3	589.8	60.5
28	602.6	68.4	601.6	596.6	594.6	596.7	601.7	68.2	602.4	599.7	594.2	597.8	68.
Means	585.4	60.5	585.9	585.9	585.5	584.7	584.7	60.2	584.3	584 3	584.3	583.9	60.
Reduced to 32° Fah.	508.5		509.2	509.4	509.2	508.5	508.6		508.3	508.4	508 5	508.3	

Göttingen time Observatory time	h. m. 15 32 9 51½	Therm., Fah.	h. m. 15 38 9 57½	h. m. 15 44 10 03½	h. m. 15 50 10 09½	h. m. 15 56 10 15½	h. m. 16 02 10 21½	Therm., Fah.	h. m. 16 08 10 27½	h. m. 16 14 10 33½	h. m. 16 20 10 39½	h. m. 16 26 10 45½
Feb. 1	565.9	62.	569.7	572.2	576.5	575.	571.8	61.9	573.9	573.4	574.7	573.6
2	.....	63.	.....	584.4	588.8	594.6	597.3	63.	597.7	595.9	598.8	601.
3	612.2	72.	612.8	614.2	617.1	614.2	617.	72.	617.4	619.2	619.5	622.3
4	.....	77.	632.7	633.5	634.2	634.1	635.3	77.	636.	637.6	639.	640.8
5	571.2	58.9	573.1	573.2	571.	571.3	572.	58.1	575.8	574.3	574.9	575.4
7	602.5	51.8	607.1	607.8	596.9	585.6	578.	51.8	563.7	558.1	558.	555.
8	576.	63.7	577.1	580.1	581.4	584.9	587.9	64.	589.2	591.9	589.8	593.3
9	524.7	49.	526.3	527.7	531.1	531.4	533.9	49.3	535.1	536.5	538.7	541.4
10	551.6	61.1	552.5	550.9	552.5	555.2	555.8	61.1	557.9	559.2	560.	562.7
11	577.2	66.	578.1	579.6	581.2	583.4	586.9	66.	589.	591.7	593.3	592.6
12	594.6	66.3	595.	595.2	594.4	594.5	596.5	66.3	595.5	596.5	597.	593.3
14	.....	66.2	575.3	575.9	575.3	574.4	577.5	66.	581.	579.5	581.4	582.4
15	539.	55.7	537.5	539.2	540.7	541.8	543.1	55.9	543.	544.5	545.1	545.3
16	576.3	59.2	579.6	582.1	583.6	585.2	584.5	59.4	588.2	589.8	593.3	595.6
17	522.8	48.5	523.3	526.	522.2	526.1	525.4	48.	526.9	528.3	527.	526.5
18	542.9	56.3	545.5	546.4	544.5	548.8	553.5	56.9	559.5	563.6	568.5	568.4
19	607.4	66.1	609.5	612.4	605.8	605.5	602.4	66.5	604.	.....	600.7	606.4
21	545.5	53.3	553.5	554.8	555.7	555.5	554.8	53.2	556.4	558.4	558.8	.....
22	553.1	59.	553.7	553.6	555.	553.4	554.2	58.9	555.7	.....	554.3	556.3
23	556.6	56.6	557.	558.6	559.4	560.4	558.2	57.3	560.6	558.3	560.	559.7
24	580.3	60.4	580.7	577.7	578.9	579.	579.1	60.6	582.8	577.7	574.7	570.1
25	593.2	58.3	591.4	592.6	593.	590.7	591.3	58.7	589.4	591.9	590.9	591.2
26	611.	61.3	611.5	611.9	610.2	610.5	610.4	61.	610.1	610.1	609.9	612.3
28	.....	61.2	.....	567.4	566.8	567.	571.	61.4	571.3	571.5	573.7	579.2
Means	570.2	60.8	574.7	575.7	575.7	575.9	576.6	60.6	577.5	577.6	578.4	580.2
Reduced to 32° Fah.	495.7		497.2	498.2	498.3	498.6	499.4		500.2	500.9	500.9	501.6

Göttingen time..... Observatory time.....	h. m. 16 32 10 51½	Therm., Fah.	h. m. 16 38 10 57½	h. m. 16 44 11 03½	h. m. 16 50 11 09½	h. m. 16 56 11 15½	h. m. 17 02 11 21½	Therm., Fah.	h. m. 17 08 11 27½	h. m. 17 14 11 33½	h. m. 17 20 11 39½	h. m. 17 26 11 45½	Therm., Fah.
Feb. 1.....	576.5	61.8	577.8	584.6	585.8	585.7	582.4	61.7	581.1	576.7	580.1	577.2	61.6
2.....	603.7	63.	606.4	611.1	615.7	616.3	617.4	63.	617.8	615.3	612.4	611.4	63.
3.....	623.4	72.	625.8	626.7	628.	628.	631.2	72.	630.8	630.9	630.3	631.3	72.
4.....	642.8	77.	643.8	646.	646.5	647.5	649.	75.	648.5	650.5	650.3	651.6	72.
5.....	577.	57.6	576.	578.1	580.1	581.2	580.4	57.1	580.6	580.7	579.7	580.2	57.
7.....	555.3	52.2	554.	553.3	557.2	557.7	559.	53.	560.5	560.	559.	560.4	54.
8.....	592.	64.5	597.7	599.6	596.5	598.8	602.3	64.7	603.4	603.7	606.5	604.1	65.
9.....	542.1	49.7	543.1	544.	544.9	544.6	546.2	50.4	549.2	550.1	550.7	550.4	51.2
10.....	563.4	61.2	565.9	566.2	569.7	572.3	572.8	61.3	573.1	573.2	574.8	575.2	61.4
11.....	595.5	66.	597.	598.6	600.3	605.	605.	66.	607.	607.1	608.4	608.3	66.
12.....	593.	66.4	593.4	591.3	590.9	591.5	592.1	66.8	592.	590.8	590.4	593.7	70.
14.....	579.5	65.9	582.9	585.8	585.6	588.8	590.8	65.9	592.2	594.2	592.6	593.4	66.1
15.....	546.8	56.6	549.5	550.5	551.5	551.4	552.5	57.4	553.4	556.	556.	560.6	57.7
16.....	596.	59.7	596.4	596.3	597.	597.9	595.9	60.	597.7	597.	596.9	594.8	60.1
17.....	536.2	47.6	543.	548.	548.4	556.2	556.1	47.4	559.5	564.4	566.	564.5	47.8
18.....	576.5	57.3	580.6	581.5	589.9	588.8	597.9	57.3	611.6	.....	605.	605.5	57.4
19.....	607.8	66.3	609.3	609.7	613.8	616.1	618.5	66.	622.1	623.4	629.4	629.2	65.4
21.....	557.8	53.2	560.1	563.2	565.6	566.5	564.5	53.2	565.4	566.5	566.6	566.1	53.5
22.....	556.6	59.3	556.5	557.4	557.4	560.2	559.8	60.	559.3	560.3	559.6	559.5	60.7
23.....	560.4	58.	560.1	559.8	.....	559.8	561.1	58.3	561.9	562.2	560.8	561.3	58.5
24.....	569.5	61.	568.8	571.	573.8	575.5	579.9	61.2	589.1	593.9	594.4	599.1	61.4
25.....	590.7	59.4	590.3	588.8	585.7	586.1	585.	59.8	582.3	583.5	581.7	581.7	60.1
26.....	611.1	61.	613.1	611.4	608.7	610.3	612.2	60.7	611.5	611.3	614.2	612.9	61.
28.....	583.	61.8	582.7	584.3	586.1	587.4	586.5	62.1	586.4	589.4	586.3	583.	62.3
Means.....	580.7	60.8	582.2	583.6	586.	586.4	587.4	60.8	589.	588.7	589.7	589.8	61.
Reduced to 32° Fah.....	502.9		504.4	505.8	508.	508.6	509.6		511.	510.1	511.5	511.5	

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	6 00	6 06	6 12	6 18	6 24	6 30	6 36	6 42	6 48	6 54
Observatory time	0 19½	0 25½	0 31½	0 37½	0 43½	0 49½	0 55½	1 01½	1 07½	1 13½
Mar. 1	569.7	571.5	570.	569.3	569.	567.8	566.3	565.5	565.4	565.3
2	563.2	563.4	564.	564.1	566.	565.2	564.9	563.8	563.9	565.9
3	568.9	568.5	567.4	566.6	566.3	566.4	566.2	566.	566.2	566.3
4	564.2	563.3	563.7	562.2	561.9	561.7	558.3	556.7	557.2	559.2
5	564.3	564.7	567.3	567.7	570.4	568.6	567.1	567.3	565.3	566.
7	559.2	561.9	560.1	561.	561.8	563.5	563.1	564.	563.1	563.2
8	564.3	563.3	565.	564.3	562.7	562.1	562.6	562.2	563.1	563.1
9	565.2	565.7	566.1	566.7	566.5	566.	566.	566.6	566.4	565.7
10	567.7	568.	567.4	568.9	568.9	568.7	569.1	567.9	567.8	567.4
11	565.3	565.3	567.9	565.6	565.4	565.4	565.2	564.4	565.3	565.3
12	567.5	567.9	568.1	567.2	567.7	566.	567.2	566.4	568.7	568.3
14	568.9	567.6	566.3	566.1	566.1	566.5	566.	565.8	566.5	567.
15	563.9	566.	568.1	574.8	568.6	566.8	562.7	566.6	564.9	566.2
16	561.7	563.8	564.4	561.7	561.8	563.6	563.2	563.8	563.1	562.7
17	576.6	577.5	574.8	574.7	574.5	572.4	571.8	574.5	568.1	566.5
18	562.3	564.3	562.7	563.1	562.2	563.6	564.6	563.1	563.2	562.8
19	563.8	566.	567.3	574.9	567.6	566.6	562.7	564.3	565.4	564.6
21	565.7	567.	567.3	567.4	568.5	569.6	571.3	571.5	571.7	569.2
22	563.5	564.4	563.2	563.5	561.7	562.6	563.2	563.5	563.4	562.7
23	569.8	570.8	569.	567.4	567.1	568.7	568.	567.2	566.6	566.4
24	564.9	563.5	564.5	565.3	565.5	565.3	565.	566.5	566.5	566.1
25	562.8	561.9	564.3	564.	561.9	562.6	561.9	562.4	562.6	561.7
26	558.7	557.6	558.4	559.1	558.1	558.3	559.1	558.4	558.1	558.3
28	569.	572.4	578.	576.7	575.6	571.5	569.9	567.1	564.	565.3
29	560.4	560.3	560.6	560.	560.3	560.4	560.1	559.8	559.8	560.5
30	570.2	569.8	569.2	569.5	567.3	566.4	568.	569.6	568.4	569.8
31	558.3	558.1	559.3	555.9	556.4	558.1	557.8	558.	556.1	556.5
Means	565.2	565.7	566.1	566.2	565.5	565.3	564.9	564.9	564.5	564.5

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	7 00	7 06	7 12	7 18	7 24	7 30	7 36	7 42	7 48	7 54
Observatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 13½
Mar. 1	565.5	564.8	565.9	566.1	566.	565.3	563.9	563.5	562.7	562.
2	567.3	566.5	565.3	565.3	562.6	565.1	566.8	567.6	566.4	565.2
3	565.9	565.8	566.	565.9	565.9	565.9	565.7	565.1	564.8	565.
4	562.	563.9	565.1	564.8	566.5	567.9	568.5	569.2	568.7	568.3
5	565.3	565.7	564.3	566.1	551.7	553.7	557.7	561.5	563.3	563.7
7	562.5	560.5	560.1	559.5	560.	560.7	561.6	562.8	563.	564.2
8	564.3	564.8	566.1	566.	566.6	566.6	566.4	566.	565.5	565.
9	565.9	565.2	566.2	566.4	566.	566.5	566.4	566.6	566.6	567.1
10	567.7	568.	567.	566.9	566.3	565.8	566.7	565.9	565.9	565.9
11	565.2	565.2	565.	564.9	564.7	565.2	564.6	564.1	564.9	564.3
12	565.7	565.2	564.3	564.7	565.6	566.8	565.	564.3	565.2	567.3
14	566.8	566.9	565.1	565.2	563.2	565.1	563.6	566.7	566.1	566.9
15	565.1	566.5	563.5	563.2	565.9	566.2	565.3	563.	564.3	564.8
16	562.5	563.3	564.5	562.8	563.7	563.2	563.8	566.5	563.3	564.5
17	566.8	567.3	566.4	565.6	565.9	567.	566.7	559.4	563.4	565.1
18	562.7	561.7	561.9	562.2	561.5	560.9	562.1	561.3	563.9	561.2
19	565.	564.9	565.	563.5	563.8	565.8	566.5	566.	565.8	565.9
21	569.	568.5	567.2	567.7	566.3	564.2	564.4	564.7	564.4	564.2
22	562.5	563.4	564.4	563.7	564.1	563.7	564.2	564.2	564.4	564.1
23	566.6	566.2	566.	565.6	564.9	565.5	564.8	564.	564.3	564.
24	565.7	564.3	565.2	564.	561.7	560.3	561.5	560.3	561.5	558.4
25	561.9	561.7	561.4	562.5	562.2	562.4	563.1	564.1	565.1	565.4
26	558.4	558.7	558.6	558.5	558.	558.1	558.6	558.6	558.1	558.5
28	560.	567.2	568.3	567.7	568.5	569.5	568.4	567.9	568.8	568.2
29	559.8	560.4	560.	560.3	559.7	559.4	559.7	559.6	559.6	559.6
30	571.1	572.4	574.3	574.6	573.5	570.7	571.2	570.5	569.9	567.7
31	554.6	554.6	555.9	555.6	553.7	554.4	554.5	554.2	557.6	557.
Means	565.3	564.6	564.6	564.4	563.6	563.9	564.1	564.1	564.4	564.2

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	18 00	18 06	18 12	18 18	18 24	18 30	18 36	18 42	18 48	18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
Mar. 1	558.9	558.4	559.3	558.7	558.9	558.	558.1	558.2	558.4	558.2
2	561.8	561.5	561.	561.4	560.7	560.4	559.8	559.7	559.	558.8
3	558.7	558.2	558.2	557.6	557.7	557.3	557.4	557.2	557.	556.6
4	559.4	558.9	558.8	558.3	558.2	557.9	557.5	557.4	556.7	556.9
5	554.3	554.2	554.	554.3	554.3	555.4	555.3	556.1	556.8	557.
7	555.6	555.4	555.4	555.3	554.6	555.	554.6	555.1	555.	554.9
8	553.8	553.7	555.4	554.5	557.	554.7	555.1	555.5	555.	556.1
9	554.	554.1	553.	552.7	555.1	553.4	553.5	553.8	553.3	555.5
10	560.7	560.2	560.2	559.5	558.8	558.4	557.9	557.2	556.4	556.2
11	558.3	558.1	557.5	557.9	557.4	557.5	557.	557.7	557.6	557.1
12	557.5	556.3	557.1	555.9	555.8	554.7	555.	554.4	553.3	553.1
14	558.9	558.5	558.1	557.3	556.7	556.	555.5	555.3	555.1	554.3
15	557.1	556.	555.9	553.7	.....	553.4	550.9	552.8	551.4	547.2
16	557.8	556.1	555.	553.5	551.5	550.9	549.2	547.8	545.1	543.4
17	559.2	558.4	560.3	557.6	558.4	555.7	556.	556.3	556.	555.
18	558.9	555.7	555.8	554.3	554.3	554.3	553.3	553.4	554.2	552.7
19	552.7	552.2	551.5	551.	551.8	551.	550.3	549.4	548.8	549.1
21	556.6	557.	556.5	556.6	556.7	556.7	556.6	556.7	556.6	557.2
22	549.8	549.4	549.5	549.1	549.	549.	549.2	549.1	548.9	549.3
23	552.2	562.	551.7	552.3	551.7	551.5	551.	550.7	550.8	551.3
24	552.2	553.1	553.1	552.4	550.7	550.8	551.	550.	549.3	549.
25	553.	552.5	551.	551.	550.3	550.2	550.2	550.2	550.2	550.2
26	553.2	553.4	553.1	550.6	550.	550.	549.1	549.3	548.7	548.1
28	549.	549.3	548.9	548.2	547.9	547.9	547.5	547.	547.	546.5
29	549.1	548.4	547.5	546.8	544.4	543.5	542.4	541.4	541.7	540.3
30	556.7	558.7	556.1	554.3	549.1	547.	541.1	543.4	542.9	544.3
31	553.3	553.9	553.4	553.3	553.1	552.7	552.7	552.9	552.5	552.4
Means	555.7	555.7	555.1	554.4	554.	553.5	552.9	552.9	552.5	552.2

Göttingen time	h. m. 2 00	h. m. 2 06	h. m. 2 12	h. m. 2 18	h. m. 2 24	h. m. 2 30	h. m. 2 36	h. m. 2 42	h. m. 2 48	h. m. 2 54
Observatory time	20 19½	20 25½	20 31½	20 37½	20 43½	20 49½	20 55½	21 01½	21 07½	21 13½
Mar. 1	566.	566.	565.9	565.9	565.9	566.1	565.2	565.3	565.3	565.3
2	564.6	564.9	563.8	565.	564.5	566.	565.5	564.9	564.8	565.6
3	562.9	563.	562.5	561.6	561.8	561.1	562.	561.4	561.6	561.
4	563.	562.7	563.4	564.2	564.5	565.4	565.1	564.7	563.7	564.2
5	569.1	568.6	566.5	564.	562.7	567.2	567.	567.4	567.7	566.3
7	575.	574.	572.6	567.7	568.5	570.5	568.7	568.7	568.3	567.4
8	563.8	564.5	563.7	564.5	566.2	566.9	565.9	566.4	566.7	567.
9	565.	565.1	566 2	568.	565.	564.5	564.5	567.	568.	572.1
10	566.4	566.	566.2	564.5	565.7	566.	566 1	566.	566.9	566.8
11	565.3	564.6	565.8	564.8	565.5	568.4	567.1	565.2	565.9	566.2
12	566.1	568.	564.3	565.2	564.4	566.1	566.9	567.7	568.8	567.7
14	564.	564.7	563.5	563.	562.5	561.7	564.6	565.1	567.	567.6
15	564.7	562.6	562.6	566.3	566.	564.8	566.1	566.	568.6	567.2
16	579.2	580.5	577.2	574.9	568.	580.2	589.5	577.2	566.8	572.
17	561.4	561.8	561.2	561.	561.	564.2	558.7	556.7	559.8	562.
18	562.4	562.2	562.3	562.	562.	561.7	562.2	561.9	562.1	561.9
19	561.4	561.4	562.	561.9	562.8	562.7	562.7	563.3	560.7	561.3
21	563.7	561.6	561.7	561.3	561.2	562.9	562.5	562.4	562.7	562.4
22	559.4	559.5	559.1	559.7	560.5	560.1	561.	562.7	562.5	562.5
23	567.9	564.4	562.4	563.9	563.1	562.4	560.3	560.5	560.2	559.4
24	571.	570.2	567.9	566.	565.5	566.2	564.9	564.1	563.7	562.
25	565.3	565.	564.5	564.3	563.7	562.5	561.6	561.5	561.	562.3
26	560.9	561.3	558.	560.7	560.9	560.9	560.8	560.4	560.2	560.2
28	562.	561.3	560.9	560.5	560.1	560.8	560.7	560.8	561.2	561.6
29	567.5	566.6	565.7	564.5	562.7	564.1	566.7	567.2	564.8	564.8
30	556.	557.2	558.5	559.	558.8	559.7	560.4	562.5	567.5	564.4
31	556.	556.2	556.	555.	556.	556.9	556.8	557.2	556.6	558.7
Means	564.8	564.6	563.9	563.7	563.3	564.4	564.6	564.2	564.2	564.4

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	3 00	3 06	3 12	3 18	3 24	3 30	3 36	3 42	3 48	3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
Mar. 1	565.1	565.7	564.9	565.4	565.4	565.7	565.5	565.5	565.	565.6
2	565.7	565.5	565.7	566.2	566.1	565.9	565.8	565.5	566.	566.1
3	561.	562.1	562.6	565.2	564.6	564.1	563.7	562.3	562.6	563.4
4	563.2	562.9	562.1	562.5	562.2	562.9	563.5	565.2	565.8	565.
5	565.9	563.5	560.5	557.6	559.	567.6	583.2	601.5	604.8	593.4
7	565.	563.2	563.9	564.5	566.5	568.	570.1	569.4	568.2	568.3
8	566.	566.	566.	565.8	565.9	565.	565.2	565.3	565.8	564.9
9	571.9	571.7	572.3	573.6	574.6	572.4	569.9	567.5	566.5	566.4
10	567.2	567.	566.8	566.8	566.7	566.7	566.4	566.	566.5	566.5
11	564.5	567.1	565.2	564.9	567.6	565.8	564.5	565.2	565.3	565.8
12	567.4	567.1	567.6	567.4	565.7	566.1	566.1	566.2	570.5	568.8
14	565.5	564.	564.7	564.	563.5	562.	562.6	564.5	564.4	570.5
15	567.3	564.5	568.	565.5	564.7	563.7	563.	564.	563.6	565.4
16	579.3	592.9	585.5	574.2	571.8	578.5	587.2	583.8	572.8	569.8
17	558.3	560.6	558.8	558.6	558.7	560.4	560.	560.8	560.	562.6
18	561.8	562.2	562.2	562.3	562.3	562.1	562.5	562.3	562.4	562.
19	563.7	564.1	563.5	563.1	561.9	562.2	562.	561.8	562.3	562.
21	562.5	561.8	562.	562.4	561.1	559.9	559.9	560.5	562.6	562.3
22	563.7	561.9	561.6	561.2	560.3	560.2	560.3	561.	561.1	561.2
23	559.	559.4	559.4	558.7	558.5	559.7	559.7	561.2	560.3	562.1
24	561.6	562.	563.2	562.7	562.3	562.5	564.	564.5	568.5	568.4
25	561.7	562.9	572.6	569.2	565.8	564.4	562.6	562.5	564.2	561.8
26	561.1	560.8	560.2	559.5	558.8	558.4	558.8	558.8	559.1	556.5
28	562.2	562.8	564.	564.5	566.9	568.6	555.3	542.3	561.6	561.6
29	566.7	568.8	568.5	569.6	565.8	569.3	577.	579.9	577.3	573.3
30	564.1	567.2	570.4	571.2	568.5	566.7	565.1	567.3	569.2	569.5
31	561.6	562.5	563.2	561.4	561.9	559.5	559.	559.4	559.	558.5
Means	564.6	565.2	565.4	564.7	564.3	564.8	565.3	565.7	566.5	566.

Gottingen time	h. m. 13 00	h. m. 13 06	h. m. 13 12	h. m. 13 18	h. m. 13 24	h. m. 13 30	h. m. 13 36	h. m. 13 42	h. m. 13 48	h. m. 13 54
Observatory time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
Mar. 1	572	571.9	572.	572	572.	573.1	572.9	573.	573.4	573.7
2	562.7	562.7	562.7	562.1	562.7	562.4	561.2	561.	560.8	562.7
3	570.1	570.	570.2	570.5	570.2	570.9	570.	570.7	572.8	571.8
4	567.2	567.	566.7	567.1	567.2	567.9	567.3	566.	567.1	568.
5	572.5	572.2	573.	572.6	570.3	572.2	572.2	572.2	572.6	572.
7	567.6	567.2	567.6	568.	568.4	569.9	570.	567.5	568.9	575.4
8	570.8	572.1	570.9	576.5	575.5	571.5	572.3	572.2	572.4	571.6
9	573.1	569.	575.5	575.7	572.	573.2	572.8	574.5	572.7	575.2
10	568.	569.1	570.6	569.8	571.	573.3	568.	572.1	571.7	571.2
11	572.2	571.9	572.4	572.	572.1	570.6	571.9	571.5	571.5	571.7
12	571.4	570.2	567.7	571.2	568.4	569.2	569.3	570.7	573.5	571.5
14	571.6	572.6	572.7	575.7	575.2	576.4	576.2	575.	576.	573.
15	570.4	572.2	572.7	575.1	573.3	573.4	573.1	570.5	572.2	575.4
16	568.5	570.2	575.9	577.5	578.3	577.7	579.	578.9	578.9	575.5
17	566.2	567.	567.5	565.8	565.9	565.3	565.9	566.1	567.3	569.3
18	567.4	570.5	570.4	567.9	565.	569.	572.5	572.	571.9	574.3
19	561.8	564.8	563.4	563.6	564.	562.4	564.5	563.6	560.4	561.5
21	569.6	570.	570.4	570.6	571.9	572.6	572.4	572.7	572.8	574.7
22	569.1	569.5	569.5	570.8	571.	571.6	569.8	570.	569.	568.
23	573.4	572.7	573.5	573.4	574.6	574.3	574.5	574.1	574.8	576.
24	572.5	573.2	573.1	572.	574.9	573.9	575.1	572.8	574.6	573.5
25	572.	572.6	573.8	572.6	572.3	573.7	573.3	574.5	573.6	573.4
26	568.6	568.2	568.7	568.9	569.	569.	568.3	569.3	569.1	570.1
28	564.2	564.6	567.6	569.5	669.6	571.1	571.4	568.6	568.6	571.3
29	563.9	566.3	567.	566.6	566.5	567.6	567.6	567.1	567.2	569.2
30	563.6	563.5	563.9	564.8	564.5	560.4	561.	561.2	560.7	560.1
31	565.9	565.9	566.1	566.4	568.	568.1	567.4	567.6	568.5	569.
Means	568.9	569.2	569.8	570.3	570.1	570.4	570.4	570.2	570.5	571.3

Gottingen time / Observatory time	h. m. 22 04 / 16 23½	Therm., Fah.	h. m. 22 10 / 16 29½	h. m. 22 16 / 16 35½	h. m. 22 22 / 16 41½	h. m. 22 28 / 16 47½	h. m. 22 34 / 16 53½	Therm., Fah.	h. m. 22 40 / 16 59½	h. m. 22 46 / 17 05½	h m. 22 52 / 17 11½	h. m. 22 58 / 17 17½
Mar. 1	743.6	72.5	744.1	744.3	744.3	743.8	743.	71.5	742.2	741.1	740.	739.6
2	734.2	72.2	734.3	734.6	734.7	735.1	735.7	72.2	736.	736.3	736.7	737.5
3	779.	75.1	779.2	779.5	780.1	780.3	781.	75.8	781.7	782.	782.2	782.5
4	783.1	76.3	783.9	784.	784.1	785.	785.2	76.5	785.6	786.5	787.5	788.
5	691.7	69.9	691.8	691.	690.9	690.	689.	69.6	689.	688.8	688.7	689.
7	658.8	66.6	658.9	658.2	658.6	659.	658.5	66.2	659.	660.1	657.1	657.7
8	644.6	66.	645.4	646.	646.4	646.4	646.5	66.	647.	647.5	647.7	647.9
9	617.5	64.6	619.	620.3	621.6	623.4	625.	64.9	626.2	628.	629.9	631.1
10	748.9	72.	748.2	748.9	748.7	748.7	748.8	71.9	748.7	748.2	748.1	748.
11	705.	68.	704.1	703.	701.5	700.8	698.2	66.9	697.5	695.7	692.7	690.8
12	612.3	64.1	611.5	611.6	611.1	611.	611.4	64.8	611.7	612.7	613.9	615.
14	686.	69.1	688.	689.5	690.9	692.	693.	68.9	694.5	695.5	696.5	697.1
15	676.5	70.	677.1	676.7	676.2	676.8	678.3	67.3	678.	677.5	677.6	676.
16	667.6	66.8	663.5	660.4	660.5	661.6	661.	66.1	658.1	656.5	655.7	656.2
17	663.5	66.6	663.8	664.	664.1	665.	665.7	67.2	666.	666.6	667.2	668.7
18	757.6	73.1	757.2	756.2	756.4	756.1	756.2	73.4	756.5	757.2	757.	757.5
19	711.	71.6	711.	711.	711.8	712.	712.4	71.8	713.3	713.9	714.	714.7
21	632.5	63.6	631.8	631.	630.1	630.	629.6	63.3	629.8	630.	629.5	629.6
22	623.7	63.7	623.4	623.1	623.1	623.	623.	64.1	623.4	623.7	624.6	624.7
23	662.6	67.1	663.1	663.	664.	664.5	664.5	66.9	664.2	663.5	663.7	664.
24	675.2	67.3	676.	676.	676.2	676.6	677.6	66.8	677.2	676.	677.8	677.5
25	632.	64.3	632.1	632.2	632.8	633.2	633.5	64.8	634.	634.	634.1	634.5
26	661.4	66.	661.2	661.1	660.5	660.2	660.	65.	659.5	658.6	657.6	657.
28	672.	67.3	671.2	671.3	670.7	671.	670.8	67.	670.5	670.2	669.4	668.5
29	745.6	71.2	744.3	744.	744.	742.8	742.4	70.5	740.6	740.3	738.5	738.1
30	759.2	75.	760.5	761.	762.	763.2	764.5	75.	765.	766.	767.1	767.7
31	596.5	63.	596.9	597.1	597.7	598.2	595.5	64.	601.1	601.9	603.	604.5
Means	686.7	68.6	686.7	686.6	686.8	687.	687.	68.5	687.3	687.3	687.3	687.5
Reduced to 32° Fah	192.2		192.7	193.	193.7	194.3	194.8		195.4	195.7	196.	196.5

Göttingen time..... Observatory time.....	h. m. 23 04 17 23½	Therm., Fah.	h. m. 23 10 17 29½	h. m. 23 16 17 35½	h. m. 23 22 17 41½	h. m. 23 28 17 47½	h. m. 23 34 17 53½	Therm., Fah.	h. m. 23 40 17 59½	h. m. 23 46 18 05½	h. m. 22 52 18 11½	h. m. 23 58 18 17½	Therm., Fah.
Mar. 1.....	738.	70.7	737.1	736.7	735.	735.	734.3	70.3	732.8	731.7	730.9	730.	70.
2.....	737.6	72.2	737.3	738.	738.1	738.6	738.5	72.2	739.1	739.6	740.	740.9	72.3
3.....	783.	76.1	781.	784.	785.4	785.5	786.	76.2	786.	786.4	787.2	788.5	76.3
4.....	788.7	76.9	789.7	790.	790.2	791.	791.	76.9	792.	792.	793.2	793.7	76.8
5.....	689.	69.4	690.2	690.4	690	690.8	692.	69.3	691.	691.8	692.9	693.7	69.2
7.....	658.1	66.1	658.2	658.1	657.5	657.5	657.5	66.4	658.	657.7	657.9	658.3	66.7
8.....	647.7	65.8	647.5	647.5	646.7	646.7	646.8	65.6	646.4	646.8	646.8	647.5	65.3
9.....	633.	65.	634.4	63[illegible].	636.1	637.	637.9	64.9	639.5	639.4	640.4	641.	64.8
10.....	748.2	71.8	748.1	748.	748.	748.	748.	71.5	747.2	747.2	746.7	746.6	71.3
11.....	688.7	66.	687.4	686.	681.5	681.6	681.5	65.5	679.2	678.5	676.	675.5	65.
12.....	616.1	65.2	618.1	619.9	620.5	623.5	625.5	65.5	627.5	628.7	629.2	631.6	65.9
14.....	697.5	68.5	698.5	698.5	699.	699.	698.7	68.3	699.	699.	699.	699.9	68.
15.....	675.	66.4	674.9	674.	673.	671.5	671.	66.	671.1	670.3	670.	668.5	65.7
16.....	657.1	66.	658.9	660.	660.5	658.	656.9	65.7	656.7	656.7	656.5	656.	65.3
17.....	669.	67.6	669.9	669.7	670.5	671.4	672.8	68.	673.9	675.4	675.6	676.1	68.3
18.....	757.3	73.	757.2	758.	758.	758.1	758.	72.7	758.	758.	757.2	758.	72.4
19.....	717.7	72.2	718.5	719.2	720.	721.	721.7	72.2	721.8	723.2	723.5	724.9	72.2
21.....	629.9	63.	629.	629.	628.7	628.1	628.	62.5	627.2	626.9	626.2	625.3	62.
22.....	625.7	64.3	626.	626.5	626.5	627.2	627.6	64.2	627.9	628.	628.	628.	64.
23.....	654.2	66.8	665.	664.2	663.8	662.	661.2	66.3	660.3	659.5	659.2	658.2	65.7
24.....	677.5	66.	677.3	677.2	675.8	674.3	673.2	65.2	671.7	670.1	669.6	668.4	64.5
25.....	635.1	65.1	636.	637.5	638.	639.4	640.1	65.1	641.	641.5	642.7	642.3	65.1
26.....	65[illegible].8	64.6	655.	654.7	654.6	652.7	651.8	64.	650.	649.	647.4	645.3	63.2
28.....	668.1	66.3	667.1	666.6	665.3	663.	662.5	65.7	661.4	659.5	658.1	656.2	65.
29.....	737.6	69.9	736.7	735.7	735.7	734.	732.	69.5	731.7	730.3	727.2	726.3	69.
30.....	768.7	75.2	769.5	770.7	772.	773.8	773.8	75.3	774.1	774.5	774.7	775.5	75.4
31.....	606.3	65.1	607.4	610.4	613.	615.7	617.9	65.8	620.7	622.2	624.2	625.9	66.4
Means.....	687.4	68.3	688.1	688.4	688.3	688.3	688.4	68.2	688.3	688.3	688.2	688.2	68.
Reduced to 32° Fah.....	196.8		198.	198.7	199	199.5	200.		200.5	201.1	201.6	202.2	

Göttingen time..... Observatory time.....	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
Mar. 1.....	668.	66.8	668.	668.8	668.6	668.6	671.7	66.8	672.1	672.	672.1	675.2
2.....	751.	72.1	751.5	751.8	750.7	751.9	752.2	72.2	751.5	752.	751.7	751.4
3.....	750.7	74.3	748.3	750.	752.3	752.5	752.7	74.3	752.6	753.	755.5	756.3
4.....	767.3	73.2	768.2	769.	769.3	768.7	768.2	73.3	768.5	768.2	768.3	767.2
5.....	705.3	68.1	706.2	706.5	705.9	706.8	706.2	68.2	703.3	701.8	701.6	700.6
7.....	649.	66.1	648.7	647.6	648.6	649.5	650.3	66.1	650.7	653.1	653.8	651.7
8.....	598.3	63.5	598.6	598.2	597.7	599.9	601.8	63.5	602.2	604.4	606.	606.
9.....	673.7	62.9	672.3	669.7	666.9	664.2	661.7	62.9	657.7	653.5	649.6	649.2
10.....	697.9	69.3	697.6	698.8	698.6	698.3	699.2	69.3	699.4	699.5	700.6	700.1
11.....	605.4	60.4	603.2	600.6	599.8	597.5	595.2	60.	593.	591.	589.1	587.2
12.....	626.2	62.5	625.9	624.7	623.7	624.6	624.3	62.5	622.7	622.7	622.	622.2
14.....	611.5	63.3	612.1	611.4	611.6	616.	617.5	63.3	617.1	620.7	620.	620.8
15.....	653.3	64.3	651.6	653.	653.2	651.4	651.7	64.3	652.1	647.	651.	650.1
16.....	633.9	63.4	634.8	634.4	634.5	634.7	635.2	63.5	635.	634.4	634.8	634.7
17.....	609.9	61.	609.9	607.9	608.5	607.5	607.9	61.	607.5	603.1	603.2	601.3
18.....	757.7	73.2	758.	758.6	758.9	758.8	759.8	73.5	760.1	759.7	760.1	760.1
19.....	696.	67.8	695.7	695.5	695.6	695.	695.1	67.4	693.5	693.5	692.2	692.6
21.....	652.8	65.3	654.2	654.	651.9	652.3	651.5	65.2	651.6	652.4	651.9	652.2
22.....	640.4	65.	640.9	640.8	640.7	641.	641.	64.8	640.8	640.7	640.9	640.4
23.....	588.3	58.5	585.3	582.	581.7	576.4	574.1	58.	573.4	567.6	564.9	565.4
24.....	661.5	66.3	661.	660.8	660.	660.1	660.	66.	659.9	660.5	659.6	659.7
25.....	634.4	64.	635.4	635.3	634.6	634.4	635.	64.	635.	635.	634.6	635.
26.....	653.5	63.8	653.7	653.2	651.4	649.5	646.2	64.2	645.	644.9	643.9	644.
28.....	669.6	66.2	669.7	667.6	670.2	670.2	670.1	66.2	670.2	670.	669.1	668.1
29	601.8	62.6	602.8	602.8	603.5	604.1	605.2	63.2	605.2	606.2	606.2	604.9
30.....	702.	69.9	704.6	705.1	705.	706.	706.	70.	706.1	706.8	705.6	706.6
31.....	726.2	70.1	*725.2	724.2	724.3	724.1	724.	70.6	723.6	724.3	725.1	725.4
Means.....	666.1	66.1	666.1	665.6	665.5	665.3	665.3	66.1	664.8	664.4	664.2	664.
Reduced to 32° Fah...	206.2		206.2	205.6	205.4	205.2	205.1		204.8	204.7	204.7	204.8

* Supplied.

Göttingen time / Observatory time	h. m. 13 34 / 7 53½	Therm., Fah.	h. m. 13 40 / 7 59½	h. m. 13 46 / 8 05½	h. m. 13 52 / 8 11½	h. m. 13 58 / 8 17½	h. m. 14 04 / 8 23½	Therm., Fah.	h. m. 14 10 / 8 29½	h. m. 14 16 / 8 35½	h. m. 14 22 / 8 41½	h. m. 14 28 / 8 47½	Therm., Fah.
Mar. 1	678.	67.8	677.9	681.7	683.7	685.2	687.	69.5	688.5	692.3	693.	695.	69.6
2	752.	72.2	751.7	752.	751.7	751.8	751.5	72.	752.4	752.5	751.5	751.5	71.9
3	759.5	73.8	761.5	764.8	765.2	767.	768.2	74.2	769.1	770.2	771.1	771.4	74.3
4	768.5	73.4	768.	768.1	768.	768.3	768.4	73.7	769.3	769.5	769.4	770.	74.
5	700.4	68.2	700.4	700.7	698.5	696.9	696.	68.2	695.	693.5	693.4	692.3	68.4
7	652.7	66.	652.2	652.6	652.9	653.	652.9	66.	652.6	652.6	652.7	652.6	66.
8	606.8	63.8	607.2	609.	610.	611.	612.7	64.2	614.8	615.7	617.1	618.1	64.5
9	644.2	62.8	641.3	638.7	633.9	630.6	628.7	62.5	625.	622.5	621.7	620.2	62.3
10	700.6	69.3	700.9	701.8	701.9	703.2	703.2	69.7	702.4	702.9	703.5	703.8	69.9
11	585.1	59.7	583.7	581.7	579.5	578.4	576.6	59.3	575.	573.5	572.5	571.6	58.7
12	621.9	62.3	620.3	620.7	617.9	616.2	615.	62.	613.	611.8	610.1	609.3	62.
14	621.	63.3	621.9	622.1	623.1	623.1	623.	62.8	622.2	622.2	621.6	621.6	62.7
15	650.1	64.2	646.9	649.8	648.6	649.7	648.	64.	617.5	646.6	647.3	646.	63.8
16	634.9	63.6	636.	635.4	635.2	635.4	635.6	63.7	636.1	636.	636.5	637.5	64.4
17	600.2	61.2	600.1	600.1	598.7	597.9	598.	61.4	598.	598.7	598.9	599.5	62.2
18	760.	72.2	760.	759.7	759.5	758.5	758.4	72.	757.8	757.4	757.	756.5	72.
19	692.5	67.	691.9	691.9	692.5	691.4	690.9	66.8	690.4	690.1	689.5	689.3	66.8
21	651.3	65.1	651.	653.4	652.8	651.9	651.7	65.	652.2	651.2	651.1	651.2	64.7
22	638.8	64.6	638.4	638.	637.8	637.	637.	64.4	636.2	636.4	635.5	635.5	64.2
23	564.4	58.2	564.9	561.9	558.6	558.6	558.6	58.4	560.1	562.1	563.6	565.1	58.6
24	658.	65.	658.	657.5	657.7	655.2	655.5	64.5	654.4	653.2	653.	652.5	64.
25	635.	63.1	634.5	632.7	630.9	629.7	628.3	62.2	626.9	627.1	625.2	623.6	61.5
26	644.1	64.3	644.3	638.7	638.5	638.6	638.5	64.5	638.8	640.	640.	641.1	65.7
28	668.5	66.2	666.5	666.	663.9	664.6	660.7	65.	659.6	658.3	657.	655.	64.3
29	608.	63.7	608.7	610.2	611.4	613.3	613.5	64.2	615.3	617.2	619.2	621.3	65.1
30	706.7	69.3	708.7	708.	707.6	707.7	707.2	68.8	708.4	707.5	707.4	705.9	68.4
31	726.	71.6	727.	728.3	729.6	731.1	732.6	72.8	733.4	734.5	735.8	737.2	72.8
Means	664.	66.	663.8	663.9	663.3	663.2	662.9	66.	662.8	662.8	662.8	662.8	66.
Reduced to 32° Fah.	205.		205.	205.2	204.8	204.8	204.7		204.3	204.	203.7	203.4	

Göttingen time / Observatory time	h. m. 11 32 / 5 51½	Therm., Fah.	h. m. 11 38 / 5 57½	h. m. 11 44 / 6 03½	h. m. 11 50 / 6 09½	h. m. 11 56 / 6 15½	h. m. 12 02 / 6 21½	Therm., Fah.	h. m. 12 08 / 6 27½	h. m. 12 14 / 6 33½	h. m. 12 20 / 6 39½	h. m. 12 26 / 6 45½	Therm., Fah.
Mar. 1	569.4	63.5	568.4	567.6	566.4	567.	564.5	63.6	566.9	567.4	566.2	566.9	63.7
2	592.1	70.	588.9	589.3	588.	588.8	590.4	70.	589.2	588.3	588.6	588.5	70.3
3	580.8	70.7	580.5	581.	582.	582.5	582.8	70.7	579.3	577.9	580.	580.7	70.7
4	592.6	71.3	595.2	595.8	595.5	596.7	596.8	71.3	596.5	596.8	596.	596.1	71.3
5	611.3	68.1	611.	611.6	612.6	612.2	613.5	68.2	611.2	611.3	612.3	612.3	68.3
7	566.4	63.5	567.7	568.1	568.	567.6	565.9	63.6	566.8	567.2	566.2	566.5	63.8
8	529.8	58.4	530.8	532.	529.6	528.3	527.	58.5	530.1	532.4	532.3	532.1	58.5
9	552.	63.	552.9	552.2	553.	552.5	552.6	63.	555.8	554.	554.9	556.1	63.2
10	568.6	66.8	570.8	571.1	571.8	571.6	574.	66.8	573.8	571.5	576.1	574.1	66.8
11	.....	59.8	.....	564.5	564.5	565.2	565.3	59.8	563.9	564.7	565.	565.8	59.8
12	520.3	58.8	516.7	518.3	521.6	522.3	522.2	59.	522.2	523.7	523.1	523.	59.
14	535.9	59.8	535.3	537.4	536.3	534.7	535.2	59.8	536.4	535.8	536.2	536.5	60.
15	535.5	61.3	535.2	535.1	534.8	533.4	533.4	61.5	534.5	536.2	534.3	534.7	61.6
16	521.1	60.	522.4	521.1	522.7	521.	520.1	59.7	521.4	519.8	520.2	519.5	59.6
17	570.9	58.7	569.8	569.2	569.4	569.5	570.1	58.5	569.6	570.1	569.5	569.9	58.6
18	568.	70.5	568.7	568.1	567.8	567.8	567.5	70.5	563.9	566.	563.8	563.1	70.5
19	557.	65.7	560.9	561.	561.2	562.4	561.	65.9	559.8	558.9	559.8	560.	65.8
21	565.1	63.8	563.8	565.3	565.1	562.9	564.4	64.	565.1	562.1	561.3	562.	63.8
22	557.5	62.2	559.7	559.6	558.5	558.8	558.7	62.4	558.2	556.6	557.5	557.9	62.2
23	545.4	58.	546.4	544.9	544.7	545.5	544.3	57.5	544.3	542.9	547.5	548.5	57.
24	556.8	63.5	560.	558.3	558.7	558.2	558.3	63.5	557.9	557.9	556.8	556.6	63.5
25	565.7	61.5	565.2	566.2	567.1	566.2	566.9	61.7	567.4	568.	567.4	568.	61.8
26	574.8	62.	575.1	575.7	577.	577.6	577.4	62.	577.9	576.7	575.2	575.5	62.
28	564.	64.3	564.	563.8	565.6	565.1	562.3	64.5	560.8	557.3	560.	561.6	64.7
29	546.	58.4	544.	547.5	548.3	546.2	542.2	58.7	537.5	535.4	532.6	537.	59.
30	571.5	66.8	572.	573.8	572.	572.	571.5	67.	571.3	570.9	569.7	569.2	67.1
21	576.4	67.4	577.7	576.6	576.4	576.4	575.6	67.4	575.6	575.3	573.4	571.4	67.4
Means	561.3	63.6	561.7	562.	562.2	561.9	561.6	63.7	561.4	560.9	561.	561.2	63.7
Reduced to 32° Fah.	475.7		476.1	476.6	476.8	476.4	476.1		475.9	475.4	475.5	475.6	

Göttingen time Observatory time	h. m. 21 02 15 21½	Therm., Fah.	h. m. 21 08 15 27½	h. m. 21 14 15 33½	h. m. 21 20 15 39½	h. m. 21 26 15 45½	h. m. 21 32 15 51½	Therm., Fah.	h. m. 21 38 15 57½	h. m. 21 44 16 03½	h. m. 21 50 16 09½	h. m. 21 56 16 15½
Mar. 1	578.1	67.6	579.7	580.8	581.	584.	588.9	67.6	589.9	586.3	588.	593.4
2	606.7	69.9	606.	604.4	602.1	599.2	598.7	70.1	600.7	602.2	601.7	601.4
3	607.	73.8	609.	609.5	611.9	610.2	611.8	73.8	609.5	612.5	609.	610.5
4	594.4	73.9	595.6	594.3	595.	595.7	598.3	74.1	599.8	599.4	599.	597.7
5	604.2	69.	608.	608.	605.7	606.6	606.2	69.	602.7	605.8	611.5	614.9
7	568.4	63.8	568.5	570.5	569.2	569.9	569.3	64.	569.6	570.7	568.2	568.2
8	540.1	61.7	541.4	543.4	544.	542.3	545.6	61.8	545.	543.7	547.9	546.
9	560.2	60.6	556.	557.1	556.2	553.4	553.9	61.1	555.4	554.4	554.2	550.2
10	581.8	70.8	579.5	581.3	581.1	582.2	582.8	70.7	583.5	583.5	583.2	581.3
11	559.	65.9	559.5	558.5	560.	559.9	559.	65.5	560.2	561.8	561.3	561.6
12	591.6	58.7	519.4	518.3	520.	519.6	520.7	59.	520.6	520.	519.6	519.9
14	538.7	65.	531.5	533.5	534.3	535.1	536.2	65.3	534.9	534.	538.6	537.
15	561.9	63.	563.7	567.	564.7	565.6	562.9	62.8	558.3	560.1	560.6	563.5
16	547.8	63.7	547.	546.9	550.5	551.5	561.9	63.7	567.4	568.5	568.3	570.
17	570.4	64.3	570.2	570.	572.7	572.5	572.	64.8	570.5	570.2	570.	570.
18	567.3	70.3	563.6	559.6	555.1	557.1	559.4	70.3	560.4	563.	563.5	564.
19	606.3	69.	605.5	604.4	601.4	604.3	602.5	69.5	601.6	603.5	604.	607.
21	562.7	61.1	566.6	561.5	.....	563.6	561.4	60.9	560.9	560.7	562.5	566.3
22	.....	60.8	556.1	555.3	554.6	552.2	554.7	60.8	553.6	554.	554.8	555.2
23	546.2	63.6	549.	539.6	552.6	554.	559.5	63.8	560.	556.6	552.2	566.
24	573.1	64.7	569.3	562.	555.4	555.1	556.1	64.8	561.5	567.2	565.4	569.
25	609.3	61.6	603.9	592.8	585.7	585.7	582.5	61.6	579.5	581.5	582.	576.5
26	550.	63.5	551.5	552.8	551.7	552.2	552.7	63.6	553.7	556.	555.2	555.4
28	549.8	64.4	548.6	547.9	549.	549.	550.	64.2	546.	547.1	548.7	551.
29	568.8	69.	572.6	571.5	568.8	570.2	570.3	69.	573.5	571.9	568.8	568.2
30	591.4	71.8	598.4	598.9	599.9	598.9	598.5	72.4	597.9	598.8	598.4	598.1
31	572.	60.5	571.5	564.7	560.5	558.5	558.8	60.2	562.	560.	557.2	557.7
Means	573.4	65.6	570.1	568.7	568.6	568.5	569.4	65.7	569.6	570.1	570.1	571.1
Reduced to 32° Fah.	482.		479.3	477.8	477.7	477.5	478.4		478.5	479.	478.9	479.9

Göttingen time Observatory time	h. m. 22 02 16 21½	Therm., Fah.	h. m. 22 08 16 27½	h. m. 22 14 16 33½	h. m. 22 20 16 39½	h. m. 22 26 16 45½	h. m. 22 32 16 51½	Therm., Fah.	h. m. 22 38 16 57½	h. m. 22 44 17 03½	h. m. 22 50 17 09½	h. m. 22 56 17 15½	Therm., Fah.
Mar. 1	596.7	67.6	600.2	604.2	603.9	602.	600.7	67.6	600.6	597.3	601.2	608.5	67.6
2	602.9	70.3	601.5	604.4	605.2	604.6	605.1	70.3	606.7	606.2	606.	606.8	70.3
3	608.4	74.	609.	608.4	609.6	610.3	612.2	74.1	606.3	606.6	605.7	606.4	74.2
4	599.7	74.4	602.6	604.6	603.	603.3	604.1	74.9	607.2	608.	612.5	615.7	75.4
5	624.5	69.	634.4	637.8	639.3	636.9	636.	68.8	634.7	633.4	634.	628.5	68.6
7	567.1	64.	567.8	566.1	568.3	568.5	567.6	64.	566.2	563.9	564.3	563.3	61.
8	546.4	62.	549.2	548.9	546.2	543.6	545.4	62.2	548.1	550.2	546.	548.5	62.4
9	546.4	61.8	547.9	547.	548.8	550.	552.5	62.8	553.	556.7	554.5	557.6	63.6
10	583.8	70.8	585.5	585.3	585.5	584.2	586.6	70.8	585.5	587.7	589.	588.5	70.8
11	561.5	64.7	561.6	563.7	561.2	560.3	559.	63.9	558.2	558.6	557.3	556.7	63.2
12	520.3	59.1	520.5	520.7	519.6	521.7	521.1	59.5	521.3	522.9	519.7	518.4	59.8
14	534.3	66.	541.	539.5	540.	538.8	537.8	66.2	539.2	540.5	538.2	536.5	66.4
15	565.6	62.9	568.	566.6	569.	563.6	562 5	62.8	561.5	555.7	555.	557.5	62.8
16	573.9	63.5	569.8	564.2	584.	582.5	584.5	63.1	587.4	590.2	592.1	591.2	62.8
17	571.4	65.1	570.6	570.5	572.	574.3	578.5	65.7	572.9	572.5	571.5	572.7	66.1
18	564.5	70.5	566.5	566.1	565.7	564.6	564.7	70.7	564.8	565 2	566.	566.7	70.9
19	608.	70.8	613.7	619.7	626.8	625.2	624.5	71.4	632.	635.	625.	626.2	72.
21	570.2	60.8	569.5	566.2	562.5	562.	561.7	60.8	560.5	559.7	562.9	563.9	60.8
22	555.9	60.8	553.7	555.2	556.3	552.9	552.5	61.1	550.3	550.3	555.2	558.3	61.3
23	577.9	63.7	573.4	569.6	578.	578.2	582.1	63.8	569.9	561.2	563.6	574.1	63.9
24	570.2	64.8	567.2	563.8	568.1	570.1	571.2	64.8	571.9	571.8	577.4	577.4	64.8
25	575.8	61.7	575.	577.3	580.4	580.6	581.6	62.	587.3	579.1	573.9	571.3	62.2
26	557.	63.1	557.7	557.9	559.4	562.4	562.	62.2	561.4	560.	562.2	561.5	61.4
28	551.5	64.	555.3	559.8	560.2	563.7	565.	64.	566.4	562.2	562.5	561.5	64.
29	567.1	68.7	570.7	572.3	571.1	568.1	565.7	68.4	566.	567.2	570.7	572.4	68.1
30	599.1	72.8	599.3	598.	593.2	589.2	591.8	73.1	592.	591.7	595.5	595.4	73.4
31	557.5	60.3	557.	559.	557.5	563.	561.1	60.9	555.8	554.7	552.4	549.5	61.4
Means	572.5	65.8	573.7	574.	575.4	575.	575.5	65.9	575.1	574.4	574.6	575.4	66.
Reduced to 32° Fah.	481.2		482.4	482.6	484.	483.5	483.9		483.5	482.7	482.9	483.6	

Göttingen time..... Observatory time.....	h. m. 1 02 19 21½	Therm., Fah.	h. m. 1 08 19 27½	h. m. 1 14 19 33½	h. m. 1 20 19 39½	h. m. 1 26 19 45½	h. m. 1 32 19 51½	Therm., Fah.	h. m. 1 38 19 57½	h. m. 1 44 20 03½	h. m. 1 50 20 09½	h. m. 1 56 20 15½
Mar. 1.....	591.5	68.5	591.	590.	590.3	591.1	586.4	68.3	586.6	587.3	587.1	587 7
2.....	600.	70.2	599.7	598.4	595.3	597.	596.7	70.2	595.7	597.1	597.6	596.4
3.....	606.7	75.	608.7	607.1	607.2	613.5	613.3	75.	607.5	607.5	607.3	603.7
4.....	617.9	75.	617.9	617.8	617.6	621.3	622.6	74.8	621.1	617.7	618.1	615.
5.....	596.8	66 6	599.1	599.2	596.5	590.6	589.1	66.4	600.4	611.6	616.2	616.8
7.....	557.	63.7	557.1	560.	561.8	562.8	562.4	63.	562.	561.	559.	558.5
8.....	566.5	61.1	566.2	566.	565.7	566.4	565.2	61.	565.2	563.2	563.5	561.7
9.....	565.5	61.9	563.3	563.3	561.7	563.5	566.9	61.8	564.3	564.7	564.7	564.8
10.....	.....	69.	590.4	591.7	586.9	588.5	590.9	68.7	590.	591.	590.	590.8
11.....	556.5	60.4	553.6	553.2	555.6	557.	557.	60.6	555.7	554.7	553.7	553.
12.....	529.4	61.1	530.3	529.2	529.5	533.	533.5	61.2	533.5	530.4	533.9	532.4
14.....	547.1	69.5	546.8	546.8	544.9	543.8	546.2	69.2	547.1	546.	545.7	546.7
15.....	565.4	61.8	562.4	559.5	559.1	557.7	558.3	61.5	561.2	560.2	560.8	562.
16.....	577.2	62.	579.	579.5	588.3	593.9	596.5	61.5	591.6	593.	598.8	604.3
17.....	584.5	68.	582.	582.7	580.	575.6	575.8	68.7	572.8	569.5	567.6	575.2
18.....	574.9	69.7	575.7	576.6	576.4	577.5	577.5	69.5	577.4	577.3	578.	575.9
19.....	646.4	71.3	647.2	648.3	648.2	652.5	655.3	71.2	655.	650.7	647 5	645.7
21.....	556.9	59.	557.1	557.1	557.8	559.	560.4	59.	557.4	557.	558.5	556.4
22.....	562.5	61.3	561.7	563.3	560.6	561.5	563.2	61.3	567.	566.2	568.4	568.5
23.....	598.	61.6	584.5	588.	599.4	608.2	610.7	61.	606.8	605.5	607.1	603.
24.....	577.8	61.	567.7	560.4	558.9	566.5	568.4	60.8	568.	572.7	576.3	575.7
25.....	582.8	62.	580.5	575.5	576.3	574.5	572.	61.8	569.6	570.1	572.8	573.9
26.....	576.4	58.8	577.	577.	579.6	577.8	574.5	58.	575.5	575.2	572.8	573.8
28.....	558.1	60.8	557.9	558.7	559.5	558.7	559.1	60.4	558.1	557.1	558.1	559.4
29.....	587.	65.8	586.5	585.2	584.6	586.7	588.7	65.4	588.1	587.4	583.3	579.3
30.....	612.9	73.2	614.3	617.7	615.6	615.4	614.1	73.2	611.2	609.	605.3	608.
31.....	553.7	63.	554.9	555.5	554.6	554.5	556.6	63.	556.4	554.9	554.7	554.4
Means.....	578.8	65.2	578.3	578.1	578.	579.6	580.	65.1	579.5	579.2	579.5	579.4
Reduced to 32° Fah...	489.4		488.7	488.6	488.6	490.3	490.8		490.4	490.3	490.7	490.8

Göttingen time Observatory time	h. m. 2 02 20 21½	Therm., Fah.	h. m. 2 08 20 27½	h. m. 2 14 20 33½	h. m. 2 20 20 39½	h. m. 2 26 20 45½	h. m. 2 32 20 51½	Therm., Fah.	h. m. 2 38 20 57½	h. m. 2 44 21 03½	h. m. 2 50 21 09½	h. m. 2 56 21 15½	Therm., Fah.
Mar. 1	591.	68.	588.6	588.8	588.	590.2	591.	67.8	590.	589.5	588.7	590.5	67.7
2	598.2	70.1	597.5	597.5	596.4	594.	596.6	70.1	598.5	599.	598.9	597.8	70.
3	606.7	75.	604.6	603.9	603.2	604.	605.1	75.	606.1	606.6	606.6	609.1	75.
4	611.	74.3	609.5	611.8	612.8	613.1	611.3	74.2	609.7	608.2	606.8	605.4	74.
5	618.6	66.	619.3	620.3	621.5	622.7	627.2	65.5	622.3	616.2	616.5	620.9	65.
7	556.7	62.8	551.7	548.2	551.7	546.7	542.6	62.	547.5	547.7	547.8	551.2	61.7
8	559.2	60.5	558.5	557.5	556.5	554.4	552.2	60.	552.4	552.2	550.2	550.8	59.6
9	568.2	61.9	568.2	569.8	568.6	568.7	569.3	61.9	568.2	569.3	566.6	562.4	62.
10	589.6	68.4	589.5	590.2	588.9	590.3	589.	68.1	589.8	589.3	589.2	589.3	68.
11	553.8	60.1	551.	549.1	546.4	549.	549.3	59.9	548.8	547.2	548.2	546.2	59.7
12	533.3	60.5	535.	537.9	537.5	539.8	540.7	59.7	542.2	542.6	542.9	540.8	59.
14	546.6	69.4	546.7	545.7	546.7	547.4	549.5	69.5	551.7	553.4	554.2	556.3	69.6
15	562.5	61.	562.7	563.	561.5	562.3	561.9	60.1	563.3	560.6	559.5	560.6	59.6
16	602.5	61.3	602.9	603.7	602.1	598.	589.	61.	570.7	560.7	565.2	571.5	60.8
17	575.7	69.1	574.7	576.2	578.7	580.3	579.6	69.4	576.5	578.	579.2	579.5	69.6
18	575.4	69.2	575.5	575.5	575.	575.5	574.1	69.	575.6	576.	575.7	574.5	68.8
19	642.1	71.1	642.5	642.2	644.8	646.7	646.6	71.	644.2	642.5	641.7	641.3	71.
21	554.	59.	562.8	559.6	563.	562.5	565.4	59.	564.6	564.2	564.1	565.6	59.
22	565.	61.	568.7	569.7	568.7	571.6	574.4	60.8	577.7	577.	575.2	576.4	60.6
23	594.8	60.3	591.1	591.6	588.4	581.7	576.7	60.5	576.9	573.2	573.4	576.5	60.6
24	575.1	60.	573.8	572.9	574.3	573.9	574.	59.8	576.9	573.2	574.6	578.	59.6
25	576.	61.6	575.	575.6	573.5	573.7	572.7	61.4	571.5	573.5	572.6	574.3	61.2
26	571.1	57.5	568.7	569.3	571.5	567.3	563.6	57.	564.7	564.7	556.2	561.1	56.5
28	560.7	59.6	559.6	559.8	561.4	562.8	563.3	58.9	563.6	563.6	562.5	560.3	58.2
29	575.9	64.3	576.1	578.6	577.5	577.7	577.1	63.7	576.7	575.4	574.5	575.	63.3
30	608.1	73.2	607.2	607.5	608.7	610.	609.5	73.2	610.9	603.9	594.5	591.2	73.2
31	556.5	62.7	556.4	556.8	559.5	558.6	558.5	62.3	560.	561.5	561.5	561.1	62.
Means	578.8	64.7	578.4	578.6	578.8	578.6	578.2	64.5	577.8	576.6	575.8	576.6	64.3
Reduced to 32° Fah.	490.4		490.1	490.4	490.8	490.7	490.5		490.2	489.2	488.6	489.5	

Göttingen time / Observatory time	h. m. 15 32 / 9 51½	Therm., Fah.	h. m. 15 38 / 9 57½	h. m. 15 44 / 10 03½	h. m. 15 50 / 10 09½	h. m. 15 56 / 10 15½	h. m. 16 02 / 10 21½	Therm., Fah.	h. m. 16 08 / 10 27½	h. m. 16 14 / 10 33½	h. m. 16 20 / 10 39½	h. m. 16 26 / 10 45½
Mar. 1	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....
2	587.	69.3	587.3	588.7	588.2	588.7	589.9	68.8	591.7	589.8	592.8	595.2
3	602.6	71.6	603.	601.2	600.6	599.9	599.	71.4	600.3	599.	599.2	599.2
4	592.9	72.4	594.7	594.7	594.5	594.	595.	72.4	597.1	595.3	596.7	597.2
5	600.7	68.1	603.1	605.2	607.3	609.8	609.5	67.8	608.7	609.4	609.6	612.8
7	578.5	63.6	578.8	579.1	581.	581.1	580.4	63.6	583.4	581.9	583.5	584.5
8	543.	61.4	547.1	547.	546.6	544.4	548.9	61.2	551.3	543.6	543.	556.5
9	563.9	60.4	563.2	564.5	565.4	566.2	568.5	60.3	569.4	572.	576.2	580.2
10	591.2	68.3	592.1	592.7	593.5	594.	594.4	68.4	596.7	597.1	598.	598.4
11	571.6	56.	572.	570.6	571.2	570.2	571.	56.2	571.7	570.2	569.5	567.4
12	533.5	55.4	536.2	539.7	538.9	540.5	543.5	54.6	544.4	545.3	546.6	544.9
14	550.	60.	549.6	550.	552.4	552.6	552.3	60.4	553.7	554.8	556.	557.8
15	557.6	61.4	560.1	559.2	558.8	558.4	559.3	61.7	559.7	560.9	560.9	562.3
16	527.7	61.7	529.9	532.8	537.4	542.	544.7	61.9	546.8	553.2	540.5	543.1
17	577.	61.3	579.3	579.5	580.8	582.	582.9	61.6	583.3	583.2	582.2	584.5
18	584.7	69.1	584.4	588.	588.4	588.1	589.9	69.3	591.6	590.2	589.6	591.7
19	578.3	65.1	582.9	584.6	588.5	592.4	592.3	65.5	595.3	599.5	598.	598.8
21	578.	61.3	580.1	578.	577.7	578.	576.3	61.	576.2	577.8	577.2	576.3
22	575.5	61.8	578.1	578.3	580.	581.2	584.7	62.1	585.1	584.	588.6	588.3
23	561.9	59.7	562.1	561.1	562.3	562.9	561.7	60.1	564.4	566.	563.4	565.7
24	579.1	61.2	580.5	581.	581.2	584.3	583.4	61.7	582.1	587.1	583.	585.
25	632.9	58.	632.2	633.3	632.3	631.9	627.1	58.	625.1	619.7	617.2	614.8
26	595.5	63.4	595.8	596.	595.	595.5	594.6	63.4	600.2	598.9	598.1	599.4
28	591.	60.5	591.	591.	592.5	593.6	594.8	60.7	596.	598.	601.7	607.5
29	571.8	62.7	573.4	574.4	577.1	581.1	582.9	63.4	586.4	585.7	583.8	582.3
30	591.3	65.8	591.8	592.	594.3	593.3	594.4	66.3	596.9	598.5	601.5	602.3
31	592.4	68.8	594.2	595.	594.7	594.3	595.8	68.	598.	599.5	599.3	601.1
Means	577.3	63.4	578.6	579.1	580.	580.8	581.4	63.5	582.9	583.1	582.9	584.5
Reduced to 32° Fah.	492.5		493.8	494.3	495.1	495.9	496.5		498.	498.1	497.9	499.4

Göttingen time Observatory time	h. m. 16 32 10 51½	Therm., Fah.	h. m. 16 38 10 57½	h. m. 16 44 11 03½	h. m. 16 50 11 09½	h. m. 16 56 11 15½	h. m. 17 02 11 21½	Therm., Fah.	h. m. 17 08 11 27½	h. m. 17 14 11 33½	h. m. 17 20 11 39½	h. m. 17 26 11 45½	Therm., Fah.
Mar. 1	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	....
2	595.8	68.7	596.5	597.5	595.	595.3	596.	68.7	595.5	595.	.....	.....	68.7
3	600.5	71.3	601.1	599.2	600.3	599.8	603.4	71.2	600.	603.	601.5	601.7	71.2
4	597.5	72.5	596.5	599.5	601.7	601.	603.1	72.5	602.5	604.3	604.2	604.5	72.6
5	614.2	67.9	613.5	613.	613.5	613.	615.1	67.9	612.2	611.3	613.7	613.2	68.
7	584.8	63.8	586.3	586.2	585.2	585.3	587.2	63.9	587.9	590.1	592.4	591.5	64.
8	552.6	60.7	555.1	552.7	551.8	552.4	549.3	60.3	547.1	548.5	548.6	547.7	60.
9	580.6	59.8	580.5	583.6	586.6	588.7	586.5	59.4	585.6	585.2	584.7	582.1	59.
10	597.4	68.7	596.3	596.	598.5	597.2	599.3	68.9	598.6	597.	593.9	595.2	69.
11	566.6	57.3	567.1	564.1	565.	564.1	564.	58.5	564.	562.3	565.1	563.5	59.8
12	543.9	53.5	544.4	544.8	545.5	544.3	543.5	53.	543.	541.1	539.6	537.6	52.6
14	559.	60.7	559.7	561.5	563.5	564.8	565.2	61.	554.9	565.1	566.	565.4	61.3
15	561.4	62.6	561.1	562.6	559.3	561.	562.	62.9	557.2	553.9	551.	553.8	63.5
16	541.8	62.1	545.2	545.4	549.2	550.7	550.7	62.3	551.	549.8	550.	550.1	62.4
17	585.	62.	585.9	585.4	586.2	585.7	585.8	62.5	585.9	587.3	589.3	589.1	62.7
18	592.3	69.5	591.4	589.5	590.1	590.1	592.1	69.6	590.	590.2	587.1	587.6	69.7
19	596.8	65.7	598.7	605.2	603.7	606.1	608.5	65.9	609.7	609.6	611.3	612.	66.1
21	575.7	60.9	574.4	574.3	574.	571.1	569.4	61.2	568.5	567.9	567.5	569.1	61.5
22	589.8	62.3	593.8	594.9	595.5	594.8	594.1	62.4	594.1	594.4	594.7	592.4	62.5
23	561.3	60.9	562.5	563.9	568.	570.8	568.	61.7	568.	567.	562.1	562.3	62.3
24	584.2	62.	585.2	586.5	587.1	585.	590.1	62.7	589.	590.9	592.7	592.2	63.2
25	612.9	58.2	611.6	608.	611.3	616.	613.4	58.6	609.	608.5	606.6	607.5	59.
26	597.5	63.	599.4	598.8	599.	599.1	596.8	62.6	597.5	599.9	598.8	598.	62.1
28	607.8	60.8	609.6	606.9	607.5	602.2	598.3	60.8	596.	592.6	590.3	588.2	60.8
29	584.3	64.2	586.9	586.7	584.9	583.6	583.2	65.1	583.6	583.7	579.8	582.7	66.4
30	603.1	66.8	604.6	606.4	607.5	607.4	607.6	67.	606.5	610.2	609.9	610.8	67.
31	600.	67.	601.3	600.1	599.5	598.5	600.5	66.2	599.6	599.	598.6	597.5	65.6
Means	584.1	63.6	584.9	585.1	585.7	585.7	585.9	63.7	584.5	584.9	584.	583.8	63.9
Reduced to 32° Fah.	498.9		499.6	499.7	500.3	500.2	500.3		498.8	499.	498.5	498.2	

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	6 00	6 06	6 12	6 18	6 24	6 30	6 36	6 42	6 48	6 54
Observatory time	0 19½	0 25½	0 31½	0 37½	0 43½	0 49½	0 55½	1 01½	1 07½	1 13½
April 1	558.3	558.5	558.8	558.7	558.3	557.7	559.	558.7	558.6	559.5
2	562.1	562.	562.	562.2	562.2	562.3	561.7	562.5	562.2	561.8
4	568.5	563.7	561.2	560.1	559.	566.6	557.2	560.6	560.8	561.5
5	562.1	562.9	563.1	564.1	563.7	564.2	563.7	563.4	563.1	563.1
6	567.9	568.3	566.8	565.9	566.3	567.8	568.8	569.2	570.2	570.1
7	560.	562.	562.	563.3	563.	562.1	561.7	561.9	561.5	562.
8	565.	562.3	560.5	559.4	560.5	559.5	560.1	560.5	565.1	565.
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	573.	570.9	569.7	569.2	570.	571.4	572.8	575.	576 1	577.5
12	574.3	575.	570.6	572.4	573.3	571.8	570.7	570.4	570.1	570.5
13	559.2	558.4	558.8	561.	565.1	567.	569.5	568.6	566.2	566.5
14	561.7	562.3	562.1	562.2	562.6	563.	562.4	562.4	562.4	563.4
15	524.5	545.2	571.5	587.9	592.6	588.3	586.6	589.5	562.7	542.3
16	575.6	590.7	595.	582.4	557.3	540.5	521.	508.6	524.	554.4
18	564.	564.3	561.4	556.3	554.2	557.4	560.7	563.8	564.	564.2
19	562.1	565.6	569.4	568.5	565.2	562.6	560.	561.3	557.6	559.1
20	562.8	563.1	563.9	563.3	562.8	562.6	562.3	562.1	561.9	562.2
21	566.5	568.9	568.1	568.3	568.2	566.3	566.1	565 2	565.7	564.5
22	561.1	560.7	561.6	561.9	562.2	563.4	563.1	563.5	563.5	563.2
23	564.1	563.1	562.2	561.8	563 1	566.	566.1	566.	566.2	565.1
25	564.8	564.4	563.9	562.9	562.4	562.1	562.1	562.2	562.	561.6
26	560.9	561.	561.3	561.6	561.8	562.4	562.5	562.2	562.3	562.2
27	563.8	564.8	566.2	567.	567.6	567.6	566.8	567.1	566.3	565.1
28	562.9	562.4	.....	.....	.....	.....	.....	.....	.....	.....
29	566.5	565.	564.5	564.5	563.4	564.1	566.3	566.3	566.3	565.8
30	564.6	564.4	564.4	564.8	564.4	564.4	564.7	565.	564.6	561.9
Means	563.	564.4	565.4	565.4	564.5	564.2	563.2	563.2	562.6	563.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	7 00	7 06	7 12	7 18	7 24	7 30	7 36	7 42	7 48	7 54
Observatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 13½
April 1	560.1	560.7	561.	561.6	561.2	561.4	560.6	560.4	559.5	559.5
2	561.8	561.8	561.6	558.1	557.	555.6	555.6	554.9	556.4	556.5
4	562.9	563.7	563.8	565.5	566.7	565.3	565.5	564.7	563.9	564.5
5	564.	562.6	561.2	560.6	562.5	563.8	564.2	565.5	566.	565.9
6	570.2	570.9	571.4	571.3	571.7	571.3	570.1	569.6	569.5	568.5
7	562.2	562.9	562.7	563.5	563.1	563.5	564.	564.3	564.6	565.
8	565.3	565.7	566.7	566.7	566.	566.5	564.5	565.9	564.4	565.2
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	577.4	576.9	577.6	579.	579.5	578.8	579.6	578.1	576.	575.2
12	569.5	569.8	569.	568.7	568.	567.9	568.9	569.8	570.7	570.7
13	568.1	568.7	571.8	572.7	574.2	575.5	572.8	566.4	561.6	557.7
14	562.1	562.7	562.6	563.3	562.8	563.6	562.7	563.1	563.6	563.
15	534.3	538.3	592.5	560.2	555.5	598.3	614.2	591.3	584.6	575.5
16	569.1	575.	569.8	559.8	552.9	564.2	568.7	570.5	575.1	589.6
18	555.7	566.	564.1	563.	563.6	561.7	560.8	560.6	562.2	564.8
19	556.	554.4	553.3	557.5	560.4	563.8	566.9	569.	571.	571.6
20	562.9	562.	562.2	562.7	563.5	562.4	562.	563.3	564.5	564.1
21	564.2	564.1	565.4	561.8	561.1	563.5	560.2	549.	541.4	537.5
22	563.4	563.5	563.2	563.2	563.8	564.	563.8	563.8	563.8	563.5
23	564.8	564.7	564.2	564.1	565.	565.6	564.2	565.	565.5	565.
25	561.7	562.8	562.7	563.	563.1	563.1	563.4	564.	564.2	564.8
26	562.4	562.7	563.	563.5	563.3	562.6	562.7	562.7	562.7	562.8
27	566.8	567.	566.5	566.9	566.4	565.9	564.9	565.6	566.6	566.7
28	.....	.....	.....	563.5	563.2	564.3	562.6	563.	562.6	563.5
29	567.3	568.8	568.4	568.	567.2	567.1	566.6	566.1	566.2	566.5
30	564.2	563.7	563.9	564.5	564.	563.3	563.2	563.9	564.4	564.8
Means	563.2	564.2	566.2	564.5	564.2	566.5	566.9	565.6	565.2	565.3

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	18 00	18 06	18 12	18 18	18 24	18 30	18 36	18 42	18 48	18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
April 1	553.2	552.2	552.2	551.9	551.7	550.1	550.4	549.8	549.4	549.
2	557.1	557.4	556.9	556.6	556.9	556.1	555.6	555.	554.5	553.8
4	550.8	551.2	550.2	552.2	552.5	552.3	553.9	554.3	554.2	554.6
5	552.4	551.9	551.2	550.2	549.9	549.5	549.8	550.3	549.8	549.6
6	553.7	553.5	553.7	553.2	553.2	553.1	553.3	553.1	553.	552.3
7	548.7	548.6	548.3	548.3	548.1	547.6	547.4	547.	546.9	546.5
8	557.5	557.3	557.3	556.9	556.8	556.	555.8	555.3	555.2	554.6
9	553.4	552.7	552.9	552.4	553.2	551.8	551.7	551.4	550.4	550.5
11	555.1	555.5	554.7	554.6	554.7	554.3	555.	554.1	554.4	553.2
12	556.8	555.9	554.7	554.4	554.9	554.5	553.6	553.2	553.4	552.4
13	562.8	562.4	561.7	559.8	560.	559.7	559.	556.6	555.7	554.6
14	553.5	553.3	552.8	551.8	551.	551.	551.	551.	551.2	551.4
15	550.8	547.2	546.	544.4	546.2	548.5	547.	544.	545.5	547.
16	555.	554.9	553.8	553.4	554.2	554.6	554.8	554.9	554.9	554.1
18	558.3	558.	558.1	557.2	557.6	558.	557.	557.5	556.5	557.
19	553.6	553.6	554.9	554.4	554.8	555.	554.9	555.1	555.5	556.4
20	552.	551.7	551.2	552.5	552.6	553.6	553.9	554.7	555.7	556.4
21	557.	555.4	554.1	554.1	554.6	554.	553.3	551.6	550.5	549.3
22	554.	553.6	554.	553.7	554.	554.	554.3	553.9	553.7	554.7
23	552.9	555.1	553.3	552.7	552.3	551.4	550.2	550.	551.4	549.5
25	552.5	552.1	551.8	551.6	551.1	551.	550.8	550.9	550.8	550.8
26	553.7	554.	554.	554.	553.9	553.3	553.4	553.5	553.5	553.3
27	553.	552.5	552.2	552.2	552.	551.3	551.	551.	551.	550.2
28	554.	554.	554.1	553.7	553.5	553.9	554.2	554.1	554.3	553.8
29	555.	554.7	554.3	555.7	554.1	553.2	552.5	552.7	552.3	552.1
30	554.7	554.	554.2	554.1	554.	553.8	553.6	553.6	553.7	553.6
Means	554.3	553.9	553.5	553.3	553.3	553.1	552.9	552.6	552.6	552.3

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	2 00	2 06	2 12	2 18	2 24	2 30	2 36	2 42	2 48	2 54
Observatory time	20 19½	20 25½	20 31½	20 37½	20 43½	20 49½	20 55½	21 01½	21 07½	21 13½
April 1	563.1	565.3	565.5	567.5	568.5	568.6	566.2	564.4	562.2	564.2
2	559.5	560.3	562.5	565.	564.3	564.1	564.5	566.	567.	567.3
4	557.2	555.5	555.5	555.2	558.1	568.1	583.5	588.	582.1	576.7
5	563 5	564.3	564.8	564.3	564.7	564.7	563.3	563.	563.6	564.
6	561.2	561.8	561.4	559 2	560.	558.7	559.	559.3	560.2	559.6
7	559.8	560.	560.1	560.5	561.5	559.4	560.	559.	559.9	561.5
8	558.	560.2	560.1	560.2	561.8	564.2	561.5	564.1	563.7	561.
9	564.9	565.2	565.	564.1	565.4	565.6	565.6	566.4	564.3	563.6
11	558.5	559.7	559.9	562.	564.	565.1	568.7	572.	574.9	580.7
12	568.	567.6	567.6	566.8	566.5	565.	564.2	563.	564.5	563.7
13	558.9	559.	560.1	560.9	560.2	560.5	560.6	560.5	562.4	561.9
14	557.8	557.3	557.5	557.7	557.7	557.	558.3	558.1	558.4	558.8
15	575.	571.	582.3	578.4	583.9	597.4	587.4	577.9	591.9	588.
16	553.7	559.4	559.8	559.1	558.7	559.4	559.	558.5	558.8	558.5
18	561.2	561.	560.4	560.4	561.7	562.6	561.	560.7	560.4	561.2
19	566.2	565.1	564.	564.6	565.2	565.5	565.	565.5	565.5	565.5
20	566.7	566.6	670.3	567.	565.4	564.7	565.5	567.	566.8	566.1
21	560.7	562.2	562.	562.	762.7	562.3	565.3	566.5	566.2	572.2
22	559.9	559.9	559.3	559.7	560.1	560.3	660.	559.7	560.1	560.3
23	559.9	559.8	559.8	559.5	559.8	558.8	559.2	559.6	559.1	559.7
25	659.	559.	560.4	560.5	560.	560.	559.7	560.4	560.9	562.3
26	563.	564.8	567.9	568 3	567.2	564.1	562.8	562.4	561.3	560.9
27	561.1	561.8	561.9	562.	561.9	562.1	561.3	562.3	561.7	562.1
28	560.8	561.	561.2	561.2	561.3	561.	561.1	561.	561.6	561.1
29	562.3	563.	562.4	563.1	562.7	563.5	563.6	563.6	563.6	564.
30	561.6	562.2	562.4	563.4	564.9	565.7	564.1	563.1	563.2	563.6
Means	561.8	562.	562.8	562.8	563.4	564.2	564.2	564.3	564.8	564.9

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	3 00	3 06	3 12	3 18	3 24	3 30	3 36	3 42	3 48	3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
April 1	564.3	565.1	570.8	569.2	569.3	571.2	569 2	571.4	571.7	568.8
2	569.8	570.3	571.	565.6	.....	.....	.....	563.8	563.2	560.9
4	575.1	572.4	571.	569.5	567.5	565.4	564.5	562.9	560.3	559.6
5	566.	564.8	563.3	564.3	566.1	566 9	566.	568.	570.8	569.
6	559.7	560.8	560.	560.1	560.2	560.2	561.4	561.8	562.6	562.6
7	561.5	561.5	562.2	562.2	561.9	561.	561.3	562.2	563.2	562.
8	561.3	561.2	561.3	561.7	561.	561.5	561.6	561.9	561.6	563.1
9	563.8	564.	563.7	561.	562.1	563.5	564.2	563.6	564.2	564.7
11	577.4	574.5	570.7	571.2	571.5	574.	577.6	577.	574.9	574.
12	564.4	564.	565.5	566.3	567.1	568.3	568.2	.....	566.4	564.7
13	561.4	562.2	561.7	562.	563.	562.9	563.2	563.3	563.6	562.5
14	558.1	559.6	559.3	559.2	558.3	559.7	562.8	566.9	572.	582.
15	569.	558.7	555.9	563.2	576.7	587.7	581.	591.4	581.5	556.2
16	559.1	560.	560.5	560.6	560.8	560.8	561.3	561.	560.8	560.
18	561.4	560.4	560.3	559.6	559.	560.3	562.1	562.2	562.2	562.3
19	561.9	569.7	579.	584.3	577.8	572 8	567.6	566.5	565.6	564.3
20	566.2	573.	578.1	575.7	576.5	577.	567.6	561.7	554.	553.2
21	582.4	579.1	575.	571.	568.	567.2	566.5	566.3	565.7	565.7
22	560.2	560.5	561.1	561.4	561.2	561.1	560 8	559.7	560.1	561.1
23	559.1	559.3	560.	559.7	560.5	561.	562.5	563.	563.	563.3
25	562.5	562.	560.9	560.7	560.2	560.8	560.9	560.8	560.9	561.
26	561 7	561.7	562.5	561.3	561.8	562.7	563.	563.3	563.4	563.7
27	.....	.....	562.3	562.7	562.1	562.1	562.	561.6	562 3	562.2
28	561.6	562.1	562.3	562.7	562.8	563.3	562.9	562.8	562.5	562.6
29	564.5	563.7	564.5	564.1	563.5	564.2	564.	563.4	563 6	562.6
30	564.7	564.	.....	.....	563.9	564.	563.8	563 4	563.9	563.8
Means	564.8	564.6	564.9	564.9	564.9	565.6	565.	565.2	564.8	563.7

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	13 00	13 06	13 12	13 18	13 24	13 30	13 36	13 42	13 48	13 54
Observatory time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
April 1	568.3	568.8	569.7	569.8	573.1	574.4	574.2	577.5	577.9	577.7
2	566.2	565.7	565.8	567.8	567.7	566.7	570.	567.6	567.	567.
4	568.1	568.3	567.6	567.1	567.5	567.	566.8	566.5	567.5	568.6
5	568.6	569.	568	569.5	569.2	569.7	568.7	572.1	571.6	572.9
6	568.1	567.9	567.6	567.6	567.9	567.7	567.	565.4	.....	566.8
7	567.3	567.7	568.	568.1	567.9	567.8	567.7	568.	568.4	568.
8	574.3	574.7	574.7	573.4	574.7	574.	574.6	574.4	573.6	574.2
9	570.8	570.8	571.9	572.	572.3	572.3	572.6	572.7	572.5	572.9
11	575.4	574.2	573.5	571.	569.4	569.4	570.2	571.5	572.7	574.5
12	535.7	535.2	535.	535.6	535.3	536.8	537.4	537.7	544.7	547.2
13	564.1	567.7	563.8	563.4	562.4	560.3	560.6	558.3	557.8	555.4
14	568.	567.7	567.6	567.5	567.6	568.1	569.4	572.3	573.8	572.7
15	580.3	585.9	584.8	584.2	580.3	573.	577.5	581.9	580.8	583.1
16	574.1	572.4	571.3	572.6	572.6	573.	573.5	574.8	576.7	575.7
18	564.8	565.3	566.3	567.5	567.4	569.3	568.2	568.	568.3	569.
19	571.8	572.1	572.5	572.4	572.5	568.9	569.5	566.5	565.	563.5
20	568.	568.8	569.	566.7	564.6	561.7	561.4	560.6	561.7	562.1
21	570.5	570.4	570.	570.	568.4	568.	568.4	571.4	571.2	569.7
22	567.4	567.5	567.3	568.3	568.7	569.1	569.	569.	569.	569.
23	567.6	568.6	568.3	566.7	567.	567.	567.4	567.1	567.7	568.2
25	571.5	573.	572.2	572.8	572.2	571.6	573.6	572.2	571.9	571.7
26	572.6	572.	571.9	572.	571.5	571.2	571.1	571.	570.7	570.5
27	566.6	567.3	568.4	568.1	567.2	568.5	567.6	568.4	567.8	567.7
28	.....	570.5	572.	571.2	571.4	571.5	571.8	571.2	570.7	571.
29	573.6	572.7	572.6	573.8	574.5	573.4	572.8	572.5	572.4	571.7
30	570.9	571.7	570.9	570.6	570.8	571.3	571.4	572.1	572.1	571.5
Means	568.6	569.1	568.8	568.8	568.6	568.1	568.5	568.8	569.3	569.3

Göttingen time / Observatory time	h. m. 22 04 / 16 23½	Therm., Fah.	h. m. 22 10 / 16 29½	h. m. 22 16 / 16 35½	h. m. 22 22 / 16 41½	h. m. 22 28 / 16 47½	h. m. 22 34 / 16 53½	Therm., Fah.	h. m. 22 40 / 16 59½	h. m. 22 46 / 17 05½	h. m. 22 52 / 17 11½	h. m. 22 58 / 17 17½
April 1	674.6	69.4	675.3	676.1	677.4	678.7	678.7	69.5	680.	679.5	678.8	678.8
2	700.	73.1	702.1	704.3	706.2	709.	711.3	74.	713.2	715.9	717.8	720.1
4	562.5	61.3	564.5	567.	569.2	571.5	573.5	62.2	576.	578.	579.8	582.
5	695.2	70.6	695.5	696.5	697.5	699.	700.4	70.3	699.9	700.5	701.	701.3
6	721.9	71.8	721.8	721.5	720.8	720.6	720.6	71.5	720.3	720.	720.2	720.1
7	741.	73.	741.8	742.5	743.4	744.	745.1	73.8	745.7	746.5	747.2	748.2
8	713.7	69.2	713.7	713.2	711.7	712.	712.2	69.	712.	712.	711.7	710.8
9	642.1	67.3	643.9	644.3	646.4	647.6	649.2	67.3	651.	652.	652.6	653.7
11	733.	73.5	733.	733.	733.	733.7	734.	73.2	734.	734.7	734.5	734.9
12	783.5	76.2	783.	782.2	780.7	780.	779.5	76.	778.2	777.	776.2	776.4
13	484.2	55.5	485.	486.	486.1	487.6	489.2	56.2	490.2	491.6	494.2	497.5
14	697.	70.	697.	697.	698.	698.5	698.9	70.3	698.9	699.3	700.	700.7
15	703.1	71.6	705.6	704.7	705.7	706.	705.6	71.3	705.6	706.5	707.	706.2
16	692.5	71.2	693.	693.	693.8	694.5	694.5	71.1	695.5	696.2	696.7	697.5
18	654.6	66.	654.2	653.8	654.	654.7	655.2	65.9	656.	656.5	657.	656.7
19	636.7	65.	637.	638.3	638.8	638.9	639.7	65.	639.8	640.1	640.2	640.5
20	750.9	73.7	751.	751.	751.2	750.4	750.6	73.5	751.	751.	751.	751.2
21	717.1	72.	718.	719.	719.	720.	720.3	71.7	721.	721.5	722.	721.5
22	645.	68.4	646.8	648.	649.5	650.9	652.7	69.	654.4	656.3	657.8	659.8
23	726.	73.	726.5	727.2	727.5	727.2	727.	73.1	728.2	728.	729.	730.
25	758.7	75.3	759.1	759.7	760.2	761.	761.	75.5	761.7	762.5	763.	764.
26	791.2	77.6	791.6	792.7	793.	794.	795.7	77.2	795.5	795.5	795.9	797.
27	612.6	63.5	612.1	611.5	610.8	610.2	609.3	63.	609.	608.9	608.9	608.5
28	604.7	63.	605.2	606.	606.5	607.	608.4	63.4	609.	610.4	611.5	612.7
29	697.5	69.	697.4	696.6	.....	.....	.....	....	.....	.....	.....	.....
30	611.3	64.	611.9	612.	612.6	613.	613.3	64.	614.	614.2	614.9	615.
Means	682.7	69.4	683.3	683.7	683.7	684.4	685.	69.5	685.6	686.2	686.7	687.4
Reduced to 32° Fah.	177.8		178.2	178.3	178.	178.4	178.8		179.1	179.5	179.7	180.1

Göttingen time Observatory time	h. m. 23 04 17 23½	Therm., Fah.	h. m. 23 10 17 29½	h. m. 23 16 17 35½	h. m. 23 22 17 41½	h. m. 23 28 17 47½	h. m. 23 34 17 53½	Therm., Fah.	h. m. 23 40 17 59½	h. m. 23 46 18 05½	h. m. 23 52 18 11½	h. m. 23 58 18 17½	Therm., Fah.
April 1	680.	69.	680.	680.3	680.	680.1	680.2	68.8	680.2	680.2	680.2	680.3	68.7
2	722.4	74.5	725.2	728.	730.	733.	733.8	75.	736.4	738.5	740.8	742.5	75.2
4	584.2	63.	587.	589.	591.5	592.4	594.5	63.2	595.2	597.5	598.8	599.7	63.3
5	701.	70.2	701.7	701.6	701.	701.2	701.	69.9	700.	699.5	699.3	699.1	69.5
6	720.2	71.5	720.4	720.8	722.	721.5	722.	71.	721.5	721.6	721.5	721.7	70.7
7	749.5	74.	750.5	751.5	753.	753.5	756.	74.3	756.7	758.	758.5	760.5	74.6
8	711.6	68.8	709.9	708.5	708.	707.	707.	68.4	706.3	704.8	704.5	704.1	68.
9	656 5	67.3	657.6	657.2	657.7	658.5	658.5	66.8	659.3	659.5	659.7	659.4	66.
11	735.1	73.3	735.1	734.	733.	733.3	733.7	73.	734.	734.	733.	733.7	73.
12	776.5	75.4	775.2	775.1	775.	773.6	772.7	75.1	771.	771.	770.1	768.7	74.8
13	500.	57.9	501.	502.5	504.1	507.2	509.7	59.	512.7	516.2	518.5	522.	60.
14	701.	70.2	701.	701.	700.	700.4	700.2	70.1	701.	701.7	702.	703.5	70.
15	706.5	71.4	705.5	705.7	704.	704.4	704.2	71.	704.8	707.	702.5	708.5	70.7
16	698.5	71.	699.7	700.5	702.5	704.1	704.5	70.8	705.	706.	706.5	707.	70.6
18	657.5	65.7	657.7	657.5	656.7	657.7	658.2	65.4	658.	658.9	657.9	657.9	65.2
19	640.5	65.1	640.6	640.9	641.	641.	640.	65.1	640.	640.1	640.3	640.1	65.2
20	752.	73.7	751.5	751.5	752.	751.8	751.5	73.8	752.	751.3	751.8	751.8	73.6
21	721.5	71.7	721.1	721.5	722.	722.7	723.	71.5	723.	723.4	723.4	723.5	71.3
22	661.5	69.5	663.3	665.3	667.	668.7	670.3	70.2	672.1	673.8	675.1	677.1	70.4
23	730.5	73.2	732.5	732.5	732.6	733.	734.	73.1	734.	734 5	735.5	735.7	73.
25	764.8	76.	765.4	766.3	767.	767.9	768.4	76.2	769.2	770.6	771.2	772.1	76.3
26	797.	76.8	797.3	798.5	798.7	799.	798.5	76.4	799.1	798.9	798.6	798.5	76.
27	608.7	63.	609.	609.	608.7	608.9	609.	62.8	609.	608.8	608.1	607.5	62.7
28	613.5	64.	614.	615.	616.	617.	618.	63.7	618.5	619.	619.	619.4	63.3
29	.....	....	....	.....	.....	.....	.....	....	.....	.....	....	688.2	67.5
30	615.3	64.1	616.	616.2	616.5	617.	617.	64.1	617.	617.5	618.	618.	64.2
Means	688.2	69.6	688.7	689.2	689.6	690.2	690.6	69.5	691.	691.7	691.8	692.3	69.4
Reduced to 32° Fah.	180.6		181.4	182.2	182.9	183.7	184.4		185.1	186.1	186.5	187.4	

Göttingen time Observatory time	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
April 1	635.	65.4	633.7	634.8	635.1	635.7	635.	65.	635.	635.7	636.	637.1
2	599.6	61.4	599.	599.8	599.1	597.2	596.	60.8	594.4	595.3	596.4	593.
4	668.3	71.	670.3	674.1	677.4	681.7	685.	71.6	687.6	690.9	693.4	698.1
5	681.5	68.2	682.7	683.	682.6	681.4	681.4	68.4	680.6	680.	680.	679.2
6	685.9	68.	686.6	686.1	685.7	686.	685.7	68.6	686.1	684.8	684.1	683.1
7	724.6	71.2	724.	723.8	723.8	723.6	723.9	71.	722.4	722.7	723.	723.6
8	763.6	72.2	763.9	763.8	761.8	761.5	760.	72.2	760.	760.7	757.6	754.5
9	617.7	61.8	616.3	613.7	610.4	609.	608.6	61.8	606.1	606.4	603.6	603.7
11	693.	69.	692.	691.4	691.5	693.	693.	69.4	692.9	693.5	691.	695.
12	717.6	71.3	718.9	723.5	723.7	724.7	726.	71.5	726.3	725.8	728.7	729.1
13	623.1	60.2	620.5	620.8	612.6	612.4	606.2	60.	604.2	601.	599.	598.4
14	662.6	67.5	662.8	662.7	662.6	663.5	664.	67.7	664.5	664.6	664.5	665.9
15	711.5	68.2	708.	707.6	707.8	705.5	704.3	68.	703.2	702.7	702.6	702.7
16	639.5	66.5	638.7	639.3	641.8	642.8	642.5	66.7	643.	645.	645.6	646.6
18	636.6	66.5	638.1	640.7	641.8	644.2	646.3	66.7	647.6	650.2	651.9	653.3
19	653.5	64.	653.5	653.5	651.8	649.8	649.8	63.5	646.2	646.1	646.5	647.5
20	710.	67.9	709.1	708.6	708.9	708.	707.	69.	706.	704.3	704.	704.5
21	606.1	64.5	608.6	610.6	611.	613.2	616.2	66.2	619.	622.7	625.	631.3
22	581.3	59.8	579.7	577.6	576.9	576.	575.4	59.6	573.7	572.	571.2	570.6
23	665.6	66.8	665.2	665.3	665.5	665.6	664.7	67.	665.1	663.	663.	662.2
25	753.8	75.6	755.6	757.4	758.8	760.7	762.1	75.8	763.3	764.5	765.7	766.8
26	731.9	71.5	734.2	733.5	733.2	732.6	732.	71.6	731.3	731.	730.7	730.4
27	659.2	65.	658.6	656.9	654.8	653.	651.8	64.5	650.	647.8	647.2	645.1
28	490.7	53.5	489.9	490.1	488.6	488.4	487.6	53.5	487.3	486.7	486.	485.8
29	720.	71.	720.2	720.6	721.1	720.5	720.6	71.	720.8	720.6	720.7	721.
30	534.3	57.2	533.8	533.	532.7	532.	531.3	57.1	531.	530.7	530.4	530.2
Means	660.4	66.4	660.1	660.1	660.	660.1	659.8	66.5	659.5	659.6	659.6	659.9
Reduced to 32° Fah.	196.		195.4	195.1	194.7	194.5	194.		193.7	193.8	193.8	194.1

Göttingen time / Observatory time	h. m. 13 34 / 7 53½	Therm., Fah.	h. m. 13 40 / 7 59½	h. m. 13 46 / 8 05½	h. m. 13 52 / 8 11½	h. m. 13 58 / 8 17½	h. m. 14 04 / 8 23½	Therm., Fah.	h. m. 14 10 / 8 29½	h. m. 14 16 / 8 35½	h. m. 14 22 / 8 41½	h. m. 14 28 / 8 47½	Therm., Fah.
April 1	637.2	64.5	637.	637.6	637.	637.1	634.1	63.9	632.	630 2	628.7	626.8	63.2
2	591.7	60.	591.	589.4	586.1	585.	583.1	60.	582.2	580.5	578.3	576.6	59.6
4	700.7	71.8	703.1	706.4	707.6	709.4	710.5	71.5	712.5	714.	715.3	717.	70.6
5	679.1	68.	679.7	679.4	680.8	678.5	679.	68.3	679.2	679.6	679.6	680.	68.3
6	683.	69.2	682.7	683.5	684.7	684.6	686.	69.9	687.8	688.6	689.2	689.8	70.2
7	723.1	71.7	723.2	723.4	723.5	724.5	725.4	72.4	726.3	727.	728.	729 2	72.8
8	753.	71.4	750.7	751.	748.4	752.	746 4	71.3	747.	746.5	745.4	.....	71.3
9	602.	62.	602.4	602.3	602.5	601.7	602.	62.8	602.3	602.6	603.1	605.	63.2
11	695.6	69.8	696.1	697.	697.7	698.2	698.5	70.	699.1	699.8	700.4	700.5	70.2
12	729.2	71.7	729.9	731.2	732.6	732.2	732.5	72.	732.7	732.3	732.1	733.	72.5
13	598.6	58.5	596.7	595 1	591.5	588.1	584.7	59.	582.2	581.1	580.4	577.1	58.4
14	666.9	68.	667.7	667.5	668.	668.5	669.5	67.8	670.	669.8	670.6	671.9	68.
15	702.5	68.7	702.	701.2	700.7	698.5	698.	69.	697.5	698.3	696.7	696.9	69.3
16	647.	66.9	649.	649.4	649.9	651.8	652.	67.	652.6	653.8	654.3	654.8	67.4
18	654.5	66.9	651.1	657.7	658.5	660.1	661.5	67.	663.	664.	666.6	668.5	67.4
19	644.5	63.1	643.	642.5	642.1	639.3	638.4	62.8	637 6	635.7	636.2	634.	62.8
20	704.5	69.5	705.	705.5	706.	705.3	705.3	69.5	705.1	704.4	704.9	704.9	69.9
21	633.	68.2	639.	643.2	644.7	651.2	655.	69.4	659.2	662.7	666.3	669.9	70.1
22	569.3	59.4	568.7	568.	568.	567.4	566.3	59.4	565.6	565.1	565.	565.	59.7
23	663.	67.	663.	662.6	662.7	662.	662.2	67.	662.2	662.3	662.7	662.5	67.2
25	768.4	75.9	769.3	770.6	771.6	772.6	773.7	75.9	774.4	775.	775.8	776.	75.5
26	730.4	71.7	730.1	730.	730.	730.2	730.5	71.9	731.	731 3	731.5	732.	72.
27	643.9	64.2	642.3	641.1	640.2	638.7	637.6	64.	637.5	636.3	635.	634.7	63.8
28	484.6	53.5	485.	483.8	484.2	483.8	483.9	53.5	483.9	484.1	484.	483.8	53.7
29	720.5	71.	720.	720.	719.5	719.6	719.9	71.	720.	721.	720.9	721.4	71.
30	530.	57.2	529.6	*529.2	528.9	528.8	528.7	57.4	528.8	529.	529.2	529.8	58.
Means	659.9	66.5	659.9	660.3	660.3	660.3	660.2	66.7	660.4	660.6	660.8	657.6	66.8
Reduced to 32° Fah	194.1		193.6	193.5	193.	192.5	191.8		191.5	191.2	191.	190.5	

* Supplied.

Göttingen time Observatory time	h. m. 11 32 5 51½	Therm., Fah.	h. m. 11 38 5 57½	h. m. 11 44 6 03½	h. m. 11 50 6 09½	h. m. 11 56 6 15½	h. m. 12 02 6 21½	Therm., Fah.	h. m. 12 08 6 27½	h. m. 12 14 6 33½	h. m. 12 20 6 39½	h. m. 12 26 6 45½	Therm., Fah.
April 1	541.2	61.5	539.5	539.1	539.7	540.8	542.1	61.7	542.8	541.3	540.4	540.8	61.8
2	562.7	60.5	561.8	562.8	562.	562.2	562.1	60.3	563.4	565.5	566.8	565.7	59.9
4	576.5	67.6	577.2	580.4	581.7	578.1	578.8	67.6	579.8	579.6	579.4	579.	67.6
5	.....	65.8	574.	573.8	574.9	574.9	575.	65.8	570.9	570.1	570.6	571.5	65.8
6	588.2	66.4	571.1	589.7	589.5	588.7	589.1	66.4	589.3	590.9	588.5	588.4	66.4
7	591.5	69.7	589.5	588.5	586.2	585.5	583.1	69.7	583.5	585.	582.6	584.7	69.7
8	.....	....	.....	.....	.....	.....	.....	....	.....	.....	602.6	603.	69.7
9	588.	60.	587.	586.5	585.6	582.4	582.9	59.8	579.4	579.3	579.1	581.1	59.3
11	600.9	66.7	602.4	603.5	612.	614.8	614.6	67.2	617.	620.9	622.5	624.7	68.5
12	616.7	67.9	617.	616.9	617.7	618.3	617.8	67.8	618.7	618.8	618.8	618.7	67.8
13	623.9	60.	626.4	632.3	637.5	636.9	629.9	59.5	625.9	625.7	628.4	630.4	59.2
14	594.3	65.5	595.2	595.4	595.7	596.5	598.7	65.4	602.6	602.8	603.3	602.4	65.5
15	625.7	67.3	616.2	606.6	605.5	608.9	611.4	67.7	614.9	614.6	614.	615.7	67.8
16	625.6	64.	627.4	628.1	628.	628.3	628.	63.8	630.2	629.6	629.7	629.7	63.6
18	574.9	61.3	577.5	576.9	582.7	579.1	576.4	61.3	579.4	580.5	582.	587.3	61.3
19	595.6	62.6	594.4	593.2	593.4	591.7	591.8	62.4	592.5	592.2	592.9	592.7	62.2
20	604.	66.8	605.	601.	603.	601.4	604.3	66.7	602.7	603.5	605.8	608.2	66.8
21	614.8	60.	622.5	629.6	636.7	637.4	628.4	60.	627.5	627.7	625.3	617.6	62.5
22	624.7	58.8	617.7	611.3	606.5	601.	595.	58.5	596.8	598.6	598.3	596.1	58.2
23	617.4	65.7	617.6	617.9	616.7	616.3	613.	65.8	613.9	615.4	615.8	615.7	66.
25	604.1	72.8	604.6	601.4	600.7	601.7	599.4	73.	604.2	603.3	605.1	604.6	73.3
26	609.4	70.6	609.6	610.2	611.	611.4	613.1	70.7	613.7	613.2	615.	616.3	70.6
27	593.2	64.8	592.9	598.5	593.8	593.3	594.2	64.5	594.1	595.6	592.7	590.9	64.6
28	572.5	52.7	572.5	575.	569.7	571.6	572.3	52.8	571.8	571.4	571.9	570.	53.4
29	568.4	67.7	568.9	570.	570.8	570.9	571.6	68.1	573.5	573.	573.5	575.8	68.5
30	583.8	56.3	583.2	580.	581.	581.8	581.	56.3	579.1	577.2	576.8	574.4	56.5
Means	595.7	64.1	594.	594.7	595.3	595.	594.2	64.1	594.7	594.9	595.5	595.6	64.5
Reduced to 32° Fah	509.		507.3	508.	508.6	508.3	507.5		507.9	507.9	507.9	507.9	

Göttingen time..... Observatory time.....	h. m. 21 02 15 21½	Therm., Fah.	h. m. 21 08 15 27½	h. m. 21 14 15 33½	h. m. 21 20 15 39½	h. m. 21 26 15 45½	h. m. 21 32 15 51½	Therm., Fah.	h. m. 21 38 15 57½	h. m. 21 44 16 03½	h. m. 21 50 16 09½	h. m. 21 56 16 15½
April 1.....	555.6	64.5	556.2	558.7	561.9	570.	571.8	64.8	558.4	562.2	565.8	567.7
2.....	584.	68.3	586.7	585.7	585.	584.	583.2	69.5	589.	588.3	587.6	585.
4.....	574.1	57.	567.1	566.	566.2	563.7	566.	57.4	566.7	567.3	563.5	562.5
5.....	589.	67.4	597.1	603.1	604.5	603.1	605.5	67.7	598.2	593.4	591.8	591.
6.....	595.2	70.	592.9	592.6	592.1	593.1	593 4	70.	594.4	594.	593.5	596.5
7.....	621.5	70.9	626.	624.9	624.2	625.5	619.3	71.1	620.5	617.1	612.2	607.9
8.....	598.3	67.3	601.8	604.5	607.4	613.3	614.6	67.3	612.1	612.8	615.	.....
9.....	568.	62.3	568.	568.4	566.1	565.6	564.6	62.3	564.6	565.3	564.9	564.8
11.....	602.9	71.4	602.9	603.	603.5	605.8	606.6	71.6	606.9	605.5	606.4	606.2
12.....	623.3	74.5	628.9	628.4	629.1	629.2	625.3	74.6	630.8	625.4	631.2	628.5
13.....	569 6	53.2	571.7	572.	575.	573.	567.	53.4	559.5	554.8	555.8	561.7
14.....	607.	67.5	604.2	604.5	596.4	592.2	594.2	67.8	600.4	599.5	598.5	605.2
15.....	597.3	70.	605.1	621.6	617.	613.7	601.5	70.	603.5	609.	615.	620.3
16.....	597.6	68.2	594.2	596.	597.5	590.1	579.	68.5	580.5	600.6	604.4	599.
18.....	587.6	62.5	589.1	587.8	581.	579.5	577.	63.	577.2	577.7	578.2	577.2
19.....	601.7	62.4	604.6	603.	601.	592.2	589.3	62.8	591.4	598.9	606.	604.
20.....	623.6	71.1	623.6	622.	621.7	623.7	620.5	71.3	620.8	616.	621.6	619.4
21.....	628 1	70.1	624.7	622.8	619.8	620 6	617.5	70.4	615.5	610.4	611.7	617.6
22.....	607.2	66.4	607.5	607.6	613.5	608.8	612.7	67.	610.9	614.9	617.9	612.6
23.....	624.2	71.4	626.	625.9	625.6	626.5	628.	72.	631.7	632.1	633.5	634.
25.....	622.1	73.8	621.9	621.3	620.7	620.6	620.9	74.2	621.	620.4	620.1	622.5
26.....	618.1	76.4	615.	616.	617.	618.2	614.3	76.8	616.9	616.8	619.1	631.3
27.....	590.9	62.	588.3	585.3	583.7	583.5	583.5	61.9	583.1	577.5	574.	575.4
28.....	545.	62.	550.6	552.1	552.3	552.3	552.5	62.2	549.5	544.3	546.6	548.6
29.....	600.7	67.6	600.6	591.9	589.9	592.4	601.1	67.4	599.2	600.6	605.	597.3
30.....	576.1	63.	578.	580.	582.8	580.5	579.5	63.	578.2	577.7	576.8	577.
Means.....	596.5	67.	597.4	597.9	597.5	597.	595.7	67.2	595.4	595.5	596.8	596.5
Reduced to 32° Fah...	502.		502.8	503.2	502.7	502.1	500.7		500.2	500.1	501.2	500.7

Göttingen time Observatory time	h. m. 22 02 16 21½	Therm., Fah.	h. m. 22 08 16 27½	h. m. 22 14 16 33½	h. m. 22 20 16 39½	h. m. 22 26 16 45½	h. m. 22 32 16 51½	Therm., Fah.	h. m. 22 38 16 57½	h. m. 22 44 17 03½	h. m. 22 50 17 09½	h. m. 22 56 17 15½	Therm., Fah.
April 1	567.	65.	564.	569.7	582.2	588.7	592.3	65.2	593.	586.	576.	572.	65.3
2	587.5	71.6	591.6	595.	597.8	598.3	601.1	71.8	598.1	601.7	603.	606.1	72.
4	565.8	58.4	565.	568.	565.2	562.	563.1	59.3	562.7	564.1	563.9	560.7	60.
5	592.	67.8	593.4	598.8	599.3	607.5	602.4	68.9	600.2	598.3	594.3	596.	69.8
6	600.5	70.1	601.7	597.7	592.7	596.8	599.6	70.1	597.6	599.6	600.7	600.2	70.1
7	604.	71.4	609.6	605.3	612.2	607.	609.2	71.8	605.7	606.5	604.8	610.1	72.
8	612.5	67.1	609.9	610.7	610.5	610.8	609.6	66.9	610.2	612.5	612.2	605.5	66.7
9	565.4	63.3	567.3	566.5	567.8	573.	565.2	63.8	568.5	570.2	572.	572.	64.
11	602.9	71.7	602.3	597.8	597.	600.7	598.8	72.	607.7	604.5	602.8	604.7	72.3
12	628.8	74.4	630.7	629.7	624.9	623.	620.8	74.1	627.3	631.5	627.5	629.4	74.
13	572.3	53.7	577.1	585.	575.7	569.5	570.2	54.	564.	567.	579.3	589.4	54.3
14	594.6	68.	590.9	595.9	593.6	599.5	598.1	68.2	593.7	592.5	597.7	598.2	68.4
15	619.6	70.	.....	625.5	623.5	623.1	625.4	70.3	629.1	631.3	635.	631.2	70.5
16	599.5	69.1	602.	601.8	606.7	622.2	630.8	69.4	638.5	639.8	642.1	644.2	69.7
18	579.2	63.2	574.9	574.3	573.5	580.	583.3	63.5	582.3	588.5	585.7	588.	63.7
19	618.4	62.8	611.2	610.5	615.8	615.2	611.5	62.9	608.	606.7	604.5	606.1	63.
20	621.5	71.5	620.	622.	625.5	617.3	620.7	71.7	622.8	624.7	625.	622.8	72.2
21	624.9	70.6	632.6	635.	633.5	630.	634.	71.	634.3	634.5	635.7	631.	71.3
22	614.3	67.9	619.9	617.1	615.7	613.1	614.8	68.6	618.2	615.1	615.8	616.7	69.1
23	637.8	72.2	640.2	641.7	636.8	636.	632.6	72.8	632.	632.	632.	631.2	73.
25	623.	74.8	621.5	623.3	622.2	624.5	621.8	75.3	624.5	626.5	626.1	628.	75.8
26	629.4	77.	626.2	625.7	625.9	625.2	624.8	76.9	626.3	623.5	619.7	619.5	77.
27	576.1	62.	577.3	576.8	577.	577.7	580.3	62.	577.7	578.5	581.7	580.7	62.
28	551.	62.	551.6	550.7	551.5	552.7	555.	61.8	556.	557.8	557.4	561.7	61.6
29	601.5	67.3	608.5	609.5	.....	.....	....	....	....	.....	.....	.....	....
30	578.8	63.6	582.5	578.9	578.1	577.2	577.	63.7	576.	576.6	576.1	576.2	63.8
Means	598.8	67.6	598.9	600.4	600.2	601.2	601.7	67.8	602.2	602.8	602.8	603.2	68.1
Reduced to 32° Fah.	502.7		503.3	504.1	503.7	504.6	505.		505.3	505.7	505.5	505.8	

Göttingen time / Observatory time	h. m. 1 02 / 19 21½	Therm., Fah.	h. m. 1 08 / 19 27½	h. m. 1 14 / 19 33½	h. m. 1 20 / 19 39½	h. m. 1 26 / 19 45½	h. m. 1 32 / 19 51½	Therm., Fah.	h. m. 1 38 / 19 57½	h. m. 1 44 / 20 03½	h. m. 1 50 / 20 09½	h. m. 1 56 / 20 15½
April 1	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....
2	601.	73.	602.5	598.2	598 2	602.2	603.9	73.	599.7	602.9	600.3	600.8
4	585.	61.	581.5	577.6	579.3	580.2	578.7	61.	582.7	582.2	580.5	583.
5	616.2	66.3	616.2	613.5	608.2	605.2	606.2	66.1	606.3	602.5	600.5	601.4
6	614.3	68.6	615.7	614.2	614.	614.1	613.5	68.3	613.3	614.	612.8	614.4
7	608.5	73.	612.5	609.9	610.5	611.3	613.	73.	611.7	612.	610.2	613.3
8	616.4	64.7	621.	619.8	621.7	622.3	621.	64.2	621.2	621.1	618.6	616.8
9	595.9	61.8	599.	600.5	600.4	599.7	598.5	61.7	597.1	597.3	593.8	592.8
11	644.8	71.7	644.6	654.7	654.6	644.6	644.4	71.4	644.2	643.2	643.	638.6
12	677.5	72.	678.	677.4	678.9	678.6	685.2	71.6	697.7	706.2	712.7	710.5
13	600.	60.3	599.7	594.7	587.2	590.1	595.7	60.8	596.7	596.2	592.	593.3
14	591.	67.7	592.2	588.5	593.3	598.3	605.7	67.2	609.	606.8	603.7	599.5
15	644.	68.5	648.5	652.2	671.5	671.6	660.5	68.	665.2	667.8	666.7	641.
16	622.	67.5	622.	622.7	624.	625.	624.4	67.3	626.2	625.	623.6	623.1
18	583.1	62.5	581.7	585.8	586.2	582.5	583.	62.5	580.3	579.2	581.	583.5
19	600.	64.3	583.7	584.3	593.8	600.	598.1	64.7	602.	609.2	614.7	613.4
20	638.8	72.	637.7	635.4	602.2	618.	611.3	71.5	621.5	627.	632.2	645.1
21	.....	69.7	632.3	632.	631.7	631.5	630.4	69.6	632.4	632.9	634.5	634.6
22	.....	70.2	.....	617.4	618.2	619.2	617.7	70.2	618.4	616.5	614.9	617.5
23	631.7	71.5	631.	631.4	631.2	632.5	632 1	71.	632.1	631.9	631.2	631.
25	631.	76.7	630.9	631.7	631.	630.	629.5	76.2	631.	631.7	633.6	633.
26	.....	74.5	637.4	636.9	637.	635.7	633.8	74.	630.5	628.9	627.5	629.7
27	592.8	61.	594.6	593.5	592.5	591.7	592.1	60.8	592.4	592.8	592.2	592.9
28	569.6	61.	569.3	567.5	567.5	566.3	565.1	60.8	565.1	563.3	562.9	559.8
29	597.2	65.5	597.2	598.1	598.5	598.	599 4	65.3	601.9	600.	602.	601.7
30	.....	63.7	587.5	587.2	588.	590.	592.7	63.4	594.9	598.6	596.2	596.
Means	612.4	67.5	613.2	613.	612.8	613.5	613.4	67.3	614.9	615.6	615.2	614.7
Reduced to 32° Fah.	517.4		517.5	517.4	517.3	518.1	518.1		519.8	520.7	520.5	520.2

Göttingen time / Observatory time	h. m. 2 02 / 20 21½	Therm., Fah.	h. m. 2 08 / 20 27½	h. m. 2 14 / 20 33½	h. m. 2 20 / 20 39½	h. m. 2 26 / 20 45½	h. m. 2 32 / 20 51½	Therm., Fah.	h. m. 2 38 / 20 57½	h. m. 2 44 / 21 03½	h. m. 2 50 / 21 09½	h. m. 2 56 / 21 15½	Therm., Fah.
April 1	567.7	63.8	570.2	572.1	572.9	575.4	573.5	63.7	576.3	577.7	578.8	578.9	63.8
2	601.	72.8	602.	604.8	606.5	608.5	611.	72.7	613.1	616.2	609.9	606.5	72.6
4	582.1	61.	582.7	582.2	580.2	591.	594.3	61.	586.2	573.2	564.1	555.6	61.
5	601.	65.2	602.1	604.2	606.2	606.9	607.5	65.	611.9	609.5	608.	605.3	64.8
6	613.2	67.5	612.	611.4	612.2	611.	609.3	67.	608.2	608.9	606.8	606.	66.5
7	614.	73.7	617.1	618.8	618.5	619.6	620.5	74.	621.9	618.7	619.	615.1	74.3
8	616.6	64.3	611.3	609.4	608.8	608.3	599.1	64.3	599.5	598.7	597.8	598.3	64.4
9	592.2	60.7	592.9	593.	593.9	594.8	594.2	60.3	594.	594.3	593.9	593.5	60.
11	633.4	71.	630.5	630.	631.9	634.	646.7	70.5	643.1	642.1	642.2	609.2	70.
12	703.7	71.	698.5	690.6	680.	670.9	659.7	70.6	654.	655.8	648.3	645.9	70.2
13	595.9	61.7	595.2	592.9	585.5	586.	587.4	62.3	590.	589.4	588.2	591.2	62.6
14	596.5	66.3	594.	595.5	597.6	604.5	607.	65.8	601.	596.6	596.7	595.2	65.4
15	652.9	67.5	665.2	657.5	661.4	670.5	646.7	67.	638.3	659.2	645.5	635.	66.5
16	624.4	66.5	623.5	621.6	622.4	620.9	620.9	65.8	620.5	617.8	617.8	617.5	65.
18	584.5	62.5	582.7	584.9	582.5	583.3	582.2	62.5	582.9	586.5	587.	585.4	62.5
19	607.5	65.	610.2	615.3	613.7	614.2	617.6	65.3	613.6	614.2	614.7	613.	65.6
20	641.2	71.	631.1	629.	650.2	651.4	651.3	70 6	646.	640.5	645.1	654.3	70.
21	635.6	68.7	633.2	633.9	635.	634.5	635.5	67.8	634.1	635.7	632.1	621.8	67.
22	619.	69.9	622.8	616.7	618.3	619.	620.	69.6	621.	619.	617.5	619.5	69.6
23	631.3	70.2	630.8	629.3	629.6	632.	631.7	69.6	631.6	629.8	630.7	629.7	69.2
25	631.1	76.	628.3	630.3	632.	635.9	632.5	76.	629.6	633.3	635.3	635.	76.
26	631.3	73.7	630.5	630.5	630.2	631.	630.1	73.2	629.2	625.6	626.5	623.5	73.
27	592.3	60.	590.7	590.4	589.2	588.3	589.7	59.8	589.9	588.4	589.3	587.6	59.6
28	562.5	61.4	562.7	562.6	563.5	562.5	564.8	61.8	565.6	562.5	561.5	563.5	62.
29	597.	64.8	602.5	601.5	597.7	598.7	599.	64.5	600.5	601.6	601.4	598.2	64.
30	597.1	63.1	596.1	596.8	594.4	595.5	596.8	62.9	598.5	600.	601.7	602.3	62.7
Means	612.5	66.9	612.3	611.7	612.1	613.4	612.7	66.7	611.6	611.4	610.	607.2	66.5
Reduced to 32° Fah.	518.3		518.2	517.7	518.2	519.6	519.		518.	517.9	516.6	514.	

Göttingen time Observatory time	h. m. 15 32 9 51½	Therm., Fah.	h. m. 15 38 9 57½	h. m. 15 44 10 03½	h. m. 15 50 10 09½	h. m. 15 56 10 15½	h. m. 16 02 10 21½	Therm., Fah.	h. m. 16 08 10 27½	h. m. 16 14 10 33½	h. m. 16 20 10. 39½	h. m. 16 26 10 45½
April 1	570.1	59.8	561.7	558 5	556.7	557.2	555.	60.	559.5	556.6	557.5	556.8
2	590.3	57.2	593.7	595.3	598.7	600.7	599.4	57.3	599.	599.9	599.1	600.4
4	611.	65.3	613.1	616.1	620.4	617.6	620.3	64.5	619.1	619.5	619.7	622.5
5	596.2	65.5	593.	593.6	595.3	598.5	597.	65.5	598.6	598.9	598.6	600.2
6	598.2	68.4	597.7	598.	601.2	601.5	601.9	68.5	603.3	604.9	605.	603.5
7	616.8	70.4	619.4	618.4	622.	623.3	623.9	70.4	623.5	624.5	623.2	624.4
8	607.	67.7	606.7	608.4	608.8	610.8	610.8	67.8	612.4	613.	612.8	610.8
9	605.1	60.	606.4	606.	607.	610.1	610.5	59.9	612.4	614.	612.4	614.4
11	642.7	69.1	639.7	640.9	641.8	643.8	641.5	69.3	642.9	641.6	644.8	647.
12	636.3	71.3	636.7	638.	639.	638.5	644.6	71.7	642.6	644.6	642.7	646.
13	626.8	55.8	626.1	618.2	615.	613.5	611.3	55.5	605.6	605.7	605.2	605.8
14	610.2	65.2	612.5	613.1	614.5	613.8	614.7	65.2	615.	614.6	614.2	614.7
15	674.8	68.5	673.	678.4	680.7	680.2	687.2	68.6	685.9	683.6	683.2	684.4
16	643.1	64.5	645.8	642.1	643.4	641.5	642.7	64.7	639.4	638.1	638.1	640.
18	614.	63.2	616.7	616.6	619.8	621.2	619.5	63.5	619.	621.2	624.8	627.
19	606.	59.6	611.2	613.5	609.	612.7	617.5	59.6	619.5	617.1	616.2	614.2
20	610.1	68.8	611.5	621.6	615.8	620.	622.2	69.4	617.3	613.5	616.	617.1
21	651.6	69.	656 2	657.8	667.1	671.2	670.8	69.1	667.8	664.	661.5	656.7
22	613.7	60.	613.5	612.7	615.	613.	609.9	60.2	608.1	611.8	614.	615.5
23	638.4	67.4	640.8	638.7	638.9	637.1	639.5	67.5	639.9	639.6	638.5	638.8
25	657.7	72.7	659.5	660.5	660.8	660.	660.5	72.7	660.5	659 9	659.6	660.8
26	645.	72.3	645.1	645.	638.8	638.9	640.2	72.7	639.2	639.5	641.3	642.
27	603.6	62.3	604.2	603.6	602.6	602.4	601.9	62.3	603.4	604.	602.8	603.7
28	586.6	53.5	586.2	585.1	583.	581.2	581.7	53.5	584.1	581.	581.1	583.2
29	601.3	69.5	603.	603.4	603.9	603.6	605.5	69.6	605.2	607.2	607.7	608.1
30	600.4	57.8	599.4	600.	599.9	599.8	599.4	58.	599.1	600.5	601.2	601.2
Means	617.6	64.8	618.2	618.6	619.2	619.7	620.4	64.9	620.1	620.	620.	620.7
Reduced to 32° Fah.	529.		529.6	529.9	530.5	530.9	531.6		531.2	531.1	531.	531.7

Göttingen time / Observatory time	h. m. 16 32 / 10 51½	Therm., Fah.	h. m. 16 38 / 10 57½	h. m. 16 44 / 11 03½	h. m. 16 50 / 11 09½	h. m. 16 56 / 11 15½	h. m. 17 02 / 11 21½	Therm., Fah.	h. m. 17 08 / 11 27½	h. m. 17 14 / 11 33½	h. m. 17 20 / 11 39½	h. m. 17 26 / 11 45½	Therm., Fah.
April 1	558.1	60.7	561.6	562.7	563.8	565.5	564.2	61.4	563.1	564.4	564.1	567.1	62.
2	601.	57.3	600.	599.4	600.2	598.5	597.5	57.4	595.8	594.	596.4	593.3	58.
4	624.2	63.4	627.5	628.	631.	628.8	629.2	62.4	633.1	634.5	635.5	636.3	62.
5	601.	64.6	604.4	603.2	607.2	605.8	606.6	64.2	606.	607.5	606.2	606.	63.7
6	606.2	68.7	608.4	608.	607.6	607.4	615.	68.9	609.8	611.2	608.5	607.3	69.
7	624.3	70.4	625.4	624.	623.5	625.2	626.2	70.2	627.7	628.3	628.9	628.9	70.1
8	611.3	68.	611.8	609.3	608.5	610.1	610.2	68.	611.2	610.1	612.	611.6	68.1
9	614.2	59.7	614.6	613.7	615.3	615.	616.2	59.8	613.1	614.2	612.5	611.2	60.1
11	617.6	69.5	646.7	646.3	641.2	640.8	614.5	69.7	642.9	644.	639.5	641.5	69.8
12	646.4	71.9	642.5	644.5	639.4	640.3	638.1	72.3	637.7	638.5	636.7	637.1	72.7
13	607.2	55.1	608.9	606.3	608.5	610.	604.7	54.8	606.1	603.7	596.5	610.8	54.5
14	615.	65.3	613.6	614.8	615.5	615.9	614.9	65.5	614.1	616.2	617.2	618.2	65.8
15	683.4	68.8	680.4	678.7	676.7	675.7	669.3	69.	665.3	667.2	669.9	661.3	69.1
16	639.5	65.1	636.4	637.5	636.4	636.1	635.	65.6	635.6	634.7	637.2	634.5	66.
18	631.4	63.8	631.5	632.	628.7	626.3	624.8	63.9	626.4	624.2	626.1	625.	63.8
19	612.8	59.7	613.2	614.4	617.6	617.3	623.5	60.	626.1	623.2	616.5	612.3	60.2
20	618.2	70.	616.4	618.2	611.1	620.2	622.9	70.4	625.1	615.4	611.3	615.7	70.6
21	652.	69.3	647.7	644.	640.9	643.3	647.5	69.3	651.4	654.4	646.1	646.5	69.4
22	615.5	60.6	608.2	605.4	603.3	602.7	609.8	61.	607.7	605.5	604.8	601.3	61.5
23	638.6	68.2	639.4	640.8	641.4	641.6	639.4	68.4	641.5	642.5	641.8	638.2	68.8
25	660.6	72.6	659.7	659.4	659.5	659.6	658.1	72.6	657.	657.	656.8	656.	72.6
26	640.8	72.9	641.7	641.9	641.1	641.2	641.3	73.2	642.7	643.3	646.7	647.9	73.4
27	603.5	62.2	.....	602.5	602.8	603.6	604.8	62.1	604.3	606.4	604.7	603.7	62.
28	578.	53.5	579.5	579.7	572.7	564.4	564.7	54.	564.6	560.7	558.2	556.7	54.4
29	608.8	69.4	612.1	613.	609.	610.	608.4	69.1	614.7	609.4	607.4	607.	68.8
30	601.1	58.4	601.2	599.8	598.7	598.4	597.4	58.8	596.	596.	596.	596.2	59.1
Means	620.8	65.	621.3	620.3	619.3	619.4	619.8	65.1	620.	619.5	618.4	618.1	65.2
Reduced to 32° Fah.	521.7		532.	531.1	530.	530.1	530.4		530.6	530.	528.9	528.5	

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	6 00	6 06	6 12	6 18	6 24	6 30	6 36	6 42	6 48	6 54
Observatory time	0 19½	0 25½	0 31½	0 37½	0 43½	0 49½	0 55½	1 01½	1 07½	1 13½
May 2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	563.9	564 3	563.9	564.2	564.4	565.	565.3	565.5	565.3	565.7
4	563.6	563.3	562.5	562.5	563.7	563.8	562.7	562.8	562.7	562.8
5	564.7	564.1	564.5	564.	564.	564.9	565.	565.4	564.9	565.1
6	563.9	564.6	564 9	564.5	564.2	564.1	564.4	564.7	563.9	565.5
7	566.5	566.9	566.6	566.2	565.9	565.3	565.6	565.6	565.7	565.9
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	.....	.....	.....	.....	564.7	564.7	564.	564.7	562.7	560.7
11	553.7	554.3	557.5	559.	558.8	560.1	562.8	564.4	567.1	568.5
12	564.1	563.5	563.9	563.9	564.7	564.4	564.	564.	563.1	563.
13	562.2	562.5	561.8	561.8	562.5	562.5	563.	563 2	563.	565.2
14	560.9	560.6	561.7	560.7	561.8	560.3	560.2	561.4	562.4	562.9
16	562.9	563.4	561.3	561.5	562.8	565.2	566.	566.4	567.2	568.2
17	563.7	564.8	566.5	568.5	567.9	564.6	564.6	561.8	560.4	561.
18	562.9	563.6	563.1	563.1	562.8	562.3	561.5	561.4	559.6	560.7
19	560.7	560.5	560.2	559.8	560.9	561.1	560.2	560.4	561.5	561.4
20	562.6	562.9	561.7	560.8	561.9	561.4	562.	561.6	562.3	561.7
21	561.	560.9	561.	560.9	561.7	561.6	561.9	561.5	561.6	562.5
23	561.1	561.	561.	560.9	560.8	560.9	560.9	561.2	561.3	561.1
24	561.	561 2	562.	562.	562.5	562.4	562.	562.3	562.5	561.9
25	568.2	567.9	565.6	566.4	565.7	565.4	564.	563.5	563.6	562.6
26	562.4	562.6	561.7	561.6	560.9	561.6	562.2	561.7	561.2	561.1
27	564.1	562.1	561.5	559.5	561.	560.6	560.2	561.4	560.9	561.3
28	559.7	559.6	559.3	559.1	558.5	556.4	555.2	553.9	552.2	552.1
30	567.6	568.1	568.9	568.2	567.3	567.	567.7	567.7	566.2	565.2
31	564.6	565.7	565.3	565.	564.5	565.9	564.9	564.6	564.	564.4
Means	562.9	563.	562.9	562.8	563.1	563.	562.9	562.9	562.7	563.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	7 00	7 06	7 12	7 18	7 24	7 30	7 36	7 42	7 48	7 54
Observatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 13½
May 2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	566.	566.5	566.4	566.8	566.7	566.9	567.	566.8	566.5	566.8
4	562.7	562.7	563.2	563.5	564.2	564.2	564.1	564.5	565.	565.4
5	565.8	565.1	565.5	565.8	565.7	565.8	565.8	566.	566.	566.1
6	564.6	565.9	566.	565.2	565.9	566.	566.6	565.5	565.6	566.1
7	566.	566.2	567.	567.3	567.8	568.	568.4	568.2	568.	568.
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	557.7	559.2	562.	560.5	560.2	556.4	559.5	558.	558.2	559.2
11	568.6	570.3	569.3	568.7	566.5	566.5	566.	564.8	565.	564.6
12	562.2	563.1	563.2	563.4	563.6	563.3	563.7	562.5	563.5	563.
13	565.5	566.7	567.1	566.4	566.	565.7	565.6	565.6	565.2	565.
14	562.6	561.8	573.8	573.7	572.5	573.2	573.6	572.7	574.3	574.
16	567.7	567.8	567.2	566.8	566.3	567.4	567.	567.6	567.4	566.9
17	559.2	566.2	563.2	561.6	562.4	560.1	559.3	561.4	562.5	563.2
18	561.6	561.1	562.1	562.6	562.9	563.4	564.4	566.3	568.4	567.
19	561.7	562.6	562.3	561.8	562.1	562.1	562.	562.1	561.	561.9
20	562.	562.8	562.1	561.3	560.9	562.1	563.7	563.6	563.7	562.
21	561.6	562.5	562.3	562.5	562.	561.9	562.2	562.7	562.7	563.
23	561.1	561.	562.	562.1	562.4	563.	562.5	562.9	563.8	563.2
24	561.8	561.6	561.8	562.5	562.1	561.5	560.6	563.2	564.4	565.5
25	562.7	562.	564.2	565.	565.2	565.4	563.7	564.	564.9	565.4
26	562.1	562.5	562.1	562.1	562.6	562.3	562.3	561.7	562.5	562.7
27	560.1	561.3	560.4	560.5	560.8	560.8	560.9	561.	560.5	560.8
28	556.6	554.8	555.1	556.9	558.6	558.1	557.2	555.4	554.4	554.2
30	565.5	567.1	567.3	566.5	566.5	566.2	566.1	566.4	566.7	567.
31	564.3	564.7	564.8	564.8	564.8	564.3	562.	564.8	562.9	563.6
Means	562.9	563.3	564.2	564.1	564.1	563.9	563.9	564.1	564.3	564.4

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	18 00	18 06	18 12	18 18	18 24	18 30	18 36	18 42	18 48	18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
May 2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	554.8	553.9	553.5	553.5	553.5	554.2	554.2	554.5	555.2	555.7
4	.....	.....	555.2	555.	556.7	555.7	557.1	555.3	554.9	555.1
5	553.	553.1	552.9	553.5	553.1	553.3	553.4	552.5	552.5	551.8
6	541.4	544.4	544.5	546.4	544.2	543.3	542.6	542.8	542.	542.
7	549.	548.7	547.	546.4	546.5	547.1	546.	544.5	544.6	547.6
9	554.	554.2	554.3	554.2	553.4	552.2	552.1	551.3	552.	552.5
10	553.9	554.2	554.9	555.7	555.5	555.2	554.6	554.1	553.8	553.4
11	549.6	549.	549.	548.9	549.	548.5	548.7	548.5	548.7	548.7
12	549.7	549.4	548.8	548.9	548.9	548.7	548.9	548.5	549.	548.8
13	549.4	548.7	548.5	548.5	548.6	548.1	548.3	548.3	548.6	549.1
14	555.6	555.	554.4	554.2	553.8	553.2	552.5	552.5	552.4	552.3
16	552.7	554.2	555.7	556.5	556.9	555.2	553.9	553.3	553.5	555.2
17	556.3	557.6	558.9	559.2	559.4	560.	561.	560.9	560.8	560.4
18	554.9	554.3	554.3	554.9	554.2	554.	554.1	554.8	553.8	553.6
19	554.1	554.5	554.4	554.4	553.9	554.	554.	554.	554.4	554.4
20	552.3	551.8	552.2	552.2	552.8	553.	552.8	552.4	553.	552.7
21	552.8	553.5	553.3	553.3	554.	552.7	553.5	553.3	552.5	553.2
23	.....	.....	549.8	549.3	548.6	548.5	546.7	547.7	547.6	547.4
24	548.3	548.5	549.8	548.9	548.5	548.1	548.	548.	547.8	547.6
25	551.4	551.	549.9	549.1	548.3	548.	549.2	549.3	549.7	550.
26	554.1	553.3	553.	552.7	551.	549.8	549.2	548.7	548.7	548.4
27	547.5	547.5	547.	547.	547.5	547.5	547.5	547.4	548.	548.1
28	552.5	551.7	550.4	550.4	549.5	549.7	549.2	548.9	548.3	548.1
30	556.5	556.5	556.6	556.5	557.	556.9	557.	557.3	557.	556.7
31	556.2	556.1	556.2	555.7	555.4	555.3	555.4	555.5	555.1	555.
Means	552.2	552.2	552.2	552.2	552.	551.7	551.6	551.4	551.3	551.5

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	2 00	2 06	2 12	2 18	2 24	2 30	2 36	2 42	2 48	2 54
Observatory time	20 19½	20 25½	20 31½	20 37½	20 43½	20 49½	20 55½	21 01½	21 07½	21 13½
May 2	561.	561.	561.	560.6	561.	561.	561.5	561.1	561.2	561.1
3	561.2	562.4	562.5	562.8	562.7	562.5	563.1	562.8	563 5	563.5
4	560.	559.7	560.7	561.2	560.7	560.7	560.2	561.	561.	561.
5	563.	562.7	563.1	562.9	563.9	563.2	563.7	563.2	563 1	562.5
6	560.7	561.1	560.5	561.	561.1	561.	561.8	562.7	562.	564.7
7	564.5	563.4	562.9	561.	562.4	560.6	561.8	562.2	561.9	562.3
9	561.1	561.1	561.	561.	560.5	562.2	562.3	563.1	563.	562.
10	563.	563.6	563.2	563.7	563.7	563.7	564.1	563.2	564.1	570.4
11	562.1	562.	562.	561.8	561.1	562.	561.8	563.8	563.	560.1
12	561.8	562.	561.9	562.	561.8	561.9	561.9	561.9	561.8	561.6
13	562.4	560.7	561.1	561.4	562.4	561.2	561.5	561.	560.5	561.3
14	558.7	559.1	558.4	558.6	559.1	559.9	559.2	558.5	558.7	558.5
16	562.	563.2	565.8	567.9	568.5	570.6	571.7	572.7	571.2	572.7
17	569.1	568.6	567.1	566.1	565.	564.	564.4	564.6	564.3	564.5
18	559.9	560.8	561.6	561.5	561.	562.5	566.9	567.7	567.8	569.
19	559.	559.1	559.2	559.5	559.2	559.1	559.	559.	559.	559.2
20	559.3	559.7	559.6	559.7	560.1	560.5	560.	560.4	560.3	559.8
21	558.9	558.7	558.6	557.3	558.2	559.7	558.5	558.4	558.	559.
23	560.6	561.1	561.1	561.1	561.9	560.9	560.4	559.3	559.5	562.2
24	560.2	560.4	561.4	561.1	560 7	560.6	560.3	560.4	560.9	560.6
25	568.7	569.	568.	567.	566.5	566.5	564.1	563 8	563.2	563.6
26	558.2	558.7	559.2	558.5	558.	558.	559.	559.3	559.2	558.5
27	561.8	561.1	560.6	560.9	560.6	561.	560.1	559.6	561.2	562.7
28	561.9	561.8	561.4	561.5	561.3	560.5	560.6	561.3	560.6	560.6
30	563.7	564.1	564.	564.6	565.	565.5	564.3	565.	564.8	564.2
31	563.7	563.5	563.9	563.8	564.6	564.	564.1	564.	563.7	563.9
Means	561.8	561.9	561.9	561.9	562.	562.1	562.2	562.3	562.2	562.6

Göttingen time	h. m. 3 00	h. m. 3 06	h. m. 3 12	h. m. 3 18	h. m. 3 24	h. m. 3 30	h. m. 3 36	h. m. 3 42	h. m. 3 48	h. m. 3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
May 2	561.	561.1	561.	561.	561.	561.1	561.	561.	561.	561.
3	563.7	562.9	563.2	563.5	563.4	562.6	563.2	563.9	561.6	562.5
4	561.1	561.6	561.5	561.9	561.6	561.7	561.8	562.	561.8	561.9
5	562.4	562.5	562.9	562.6	.....	562.6	563.	562.5	562.3	562.5
6	565.1	565.7	565.	564.	560.6	560.7	.....	.....	.....	560.7
7	562.1	562.9	562.2	562.5	562.	561.2	561.2	561.8	561.2	560.7
9	564.2	562.7	563.1	562.4	562.6	565.5	564.	563.3	566.2	564.5
10	575.	571.6	566.	561.4	562.7	570.8	576.	575.	574.9	574.7
11	559.1	561.	562.	561.8	561.6	561.	560.4	560.9	564.2	565.
12	562.	561.8	562.	561.9	562.	562.	562.	562.	562.7	562.7
13	560.6	560.5	559.6	559.7	560.5	561.4	561.	561.3	560.8	560.5
14	558.9	559.5	559.1	559.	558.5	559.8	560.3	561.2	560.9	561.1
16	574.	575.2	577.9	579.2	578.5	579.9	580.9	581.6	584.6	581.4
17	563.7	563.5	563.3	562.2	561.8	563.5	563.5	561.5	561.6	564.2
18	566.8	564.3	562.2	563.7	565.6	567.	566.8	565.4	565.2	564.
19	558.7	558.2	559.4	559.7	559.1	559.4	558.3	558.2	559.9	560.2
20	560.	560.6	560.8	561.5	562.	562.1	563.	562.9	563.1	563.4
21	559.2	.....	.....	558.	558.	558.4	557.7	558.4	558.7	559.
23	561.4	561.	561.3	562.2	562.4	562.6	563.	562.4	562.	561.7
24	560.4	560.1	.....	.....	.....	.....	.....	560.	561.	.....
25	562.1	560.9	561.1	560.2	561.3	563.	563.7	563.9	563.7	562.7
26	558.7	558.7	558.9	558.7	558.	558.7	559.5	559.3	559.	558.6
27	562.	560.7	560.9	563.1	563.3	563.6	562.	562.	561.9	560.7
28	561.6	562.1	562.	565.2	565.5	565.5	565.5	568.2	570.7	571.4
30	564.2	564.2	564.	563.9	564.8	565.	565.7	564.9	564.8	564.5
31	564.	563.8	563.8	563.6	563.6	563.8	563.5	563.8	563.9	563.8
Means	562.8	562.7	562.6	562.5	562.5	563.3	563.6	563.5	563.9	563.7

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	13 00	13 06	13 12	13 18	13 24	13 30	13 36	13 42	13 48	13 54
Observatory time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
May 2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	571.2	570.8	569.9	569.5	568.2	566 5	568.1	566.4	567.3	564.6
4	571.8	571.9	572.	572.1	571.2	571.2	570.7	571.3	569.4	568 3
5	576.6	577.3	576.6	577.4	576.6	577.6	577.2	576.5	574.6	573.8
6	575.7	574.6	574.7	574.3	574.5	574.2	573.5	573.7	572.8	572.2
7	570.3	571.2	570.5	569.7	567.7	567.1	567.5	567.	564.6	563 7
9	571.3	571.1	571.1	571.4	571.	572.5	572.2	571.3	571.	570.8
10	574.6	574.7	573.1	573.4	574.5	573.4	571.9	573.3	573.1	572.1
11	571.8	572.7	572.5	572.	572.3	571.9	570.	569.2	569.	569.5
12	577.	577.	576.2	576.7	575.8	574.9	574.1	573.5	575.6	573.6
13	574.	574.6	574.8	574.8	574.2	574.5	574.3	574.6	574.6	574.6
14	567.7	567.9	568.8	567.7	567.7	567.6	565.3	568.	568.2	566.6
16	552.3	551.9	548.4	545.7	539.6	541.4	548.1	553.2	556.4	554.5
17	568.1	571.6	575.1	576.6	575.7	570.9	570.1	567.8	570.7	568.6
18	572.3	571.7	570.6	571.	571.1	568.9	567.7	566.9	565.9	566.8
19	562.7	563.6	564.	564.6	564.6	564.9	564 4	562.3	567.1	568.8
20	566.2	564.7	565.6	565.6	564.2	564.	564.6	563.7	563.	562.4
21	568.6	568.6	568.9	568.8	568.1	568.1	568.2	567.5	566.6	566.9
23	570.2	569.7	570.3	569.1	568.7	568.5	569.	568.5	568.5	569.3
24	582.	582.1	582.5	583.2	584.	583.6	583.1	581.6	582.2	581.6
25	574.6	574.	572.2	569.6	565.6	572.3	571.7	572.5	572.1	571.5
26	573.2	573.5	573.5	573.8	572.6	572 3	571.9	571.3	571.2	568.
27	571.3	571.6	571.6	570.2	569.2	571.3	571.1	570.3	571.8	570.1
28	577.1	575.	574.2	574.8	574.1	573.2	575.	574.5	573.2	574.2
30	574.4	574.	574.3	574.1	574.2	574.5	574.9	575.	574.8	574.
31	575.	575.8	575.1	575.	575.5	575.	574.9	575.2	574.5	574.
Means	571.6	571.7	571.5	571.2	570.4	570.4	570.4	570.2	570.3	569.6

Göttingen time Observatory time	h. m. 22 04 16 23½	Therm., Fah.	h. m. 22 10 16 29½	h. m. 22 16 16 35½	h. m. 22 22 16 41½	h. m. 22 28 16 47½	h. m. 22 34 16 53½	Therm., Fah.	h. m. 22 40 16 59½	h. m. 22 46 17 05½	h. m. 22 52 17 11½	h. m. 22 58 17 17½
May 2	530.6	57.3	530.2	530.	530.	530.	530.	57.5	529.7	529.4	529.5	529.8
3	684.	68.3	683.7	684.2	684.2	684.	683.7	67.9	683.5	683.	683.7	683.
4	771.6	75.1	771.7	772.2	773.	773.	773.4	75.	773.5	773.4	772.7	772.5
5	715.	72.	715.8	716.	716.4	716.5	716.6	72.4	717.6	718.	718.3	719.
6	659.7	69.	660.7	661.2	662.	662.7	663.7	69.4	664.6	665.4	666.7	668.
7	604.7	65.3	604.1	605.1	606.5	607.4	609.5	65.6	609.4	610.	611.	611.2
9	680.	71.	681.2	682.6	683.2	683.7	684.7	71.	685.7	687.	687.5	687.9
10	659.4	67.9	659.1	659.5	660.4	660.3	659.7	68.	659.	657.9	657.8	658.
11	708.	73.7	709.5	711.	712.6	714.1	716.	74.3	717.5	719.1	721.	722.7
12	648.2	67.8	649.2	650.3	651.1	652.	652.3	67.9	653.	653.	653.5	654.1
13	746.5	74.	746.1	747.	747.	747.	747.	73.8	747.	747.	747.4	747.9
14	686.	70.	686.1	686.	686.1	686.7	686.6	70.	687.4	688.5	688.4	688.9
16	700.6	72.	701.	701.9	702.	702.	702.1	72.	701.8	703.	704.	704.7
17	808.9	78.8	808.8	808.1	808.	808.	808.4	78.8	809.	808.7	809.	809.
18	697.	71.6	697.6	698.5	699.2	699.8	700.2	71.8	700.4	702.3	702.8	703.2
19	744.6	75.1	745.6	746.6	747.1	748.2	749.	75.1	749.7	750.2	751.1	751.5
20	482.3	54.1	482.3	481.3	480.7	479.8	479.2	53.5	478.1	478.2	477.8	477.7
21	729.1	71.9	728.6	728.4	727.8	727.2	726.8	71.7	726.2	725.9	725.4	725.
23	762.9	74.7	762.8	763.	762.8	762.4	762.	74.6	762.4	762.6	762.5	762.4
24	795.	75.3	792.8	792.2	791.	790.2	788.2	74.7	787.5	785.2	785.2	784.7
25	775.7	77.1	776.5	777.2	778.1	779.	780.2	77.1	779.8	780.6	781.5	782.5
26	808.3	76.4	807.4	807.5	807.	806.9	809.8	77.9	805.4	805.	805.	804.8
27	686.1	69.7	686.2	687.1	687.2	688.	688.4	70.9	689.3	690.	690.4	690.
28	782.	78.	785.3	785.4	787.	788.	791.7	78.1	790.2	791.	791.	792.2
30	812.	79.4	812.6	812.9	813.	813.	813.6	79.2	813.1	813.1	813.1	813.4
31	676.6	70.9	677.9	679.1	680.3	681.7	683.	71.	684.	685.	686.8	687.6
Means	706.	71.4	706.3	706.7	707.1	707.4	707.9	71.5	707.9	708.2	708.6	708.9
Reduced to 32° Fah.	173.7		173.8	174.	174.2	174.3	174.5		174.3	174.5	174.8	174.9

Göttingen time Observatory time	h. m. 23 04 17 23½	Therm., Fah.	h. m. 23 10 17 29½	h. m. 23 16 17 35½	h. m. 23 22 17 41½	h. m. 23 28 17 47½	h. m. 23 34 17 53½	Therm., Fah.	h. m. 23 40 17 59½	h. m. 23 46 18 05½	h. m. 23 52 18 11½	h. m. 23 58 18 17½	Therm., Fah.
May 2	529.5	57.4	529.2	529.1	529.1	529.4	529.5	57.3	530.	529.9	530.	530.	57.3
3	683.	67.5	683.	682.9	682.7	682.7	682.	67.2	682.	682.2	682.5	681.8	67.
4	771.5	74 7	771.5	771.	771.	771.	771.	74.8	771.	771.	771.	770.8	74.8
5	720.7	72.5	721.	721.5	723.	723.	723.6	72.4	724.5	725.	725.7	726.	72.5
6	668.5	69.8	670.	671.2	671.7	671.	671.	69.8	672.	673.2	674.	675.	69.8
7	612.	66.	613.	614.	615.1	616.1	617.	65.7	618.2	619.1	621.	620.3	65.4
9	689.2	72.	690.8	692.5	693.9	695.9	696.5	72.4	697.9	699.7	701.	702.2	72.8
10	658.7	68.1	659.	659.5	660.2	660.9	661.6	68.2	662.2	662.7	663.3	664.1	68.3
11	725.5	74.6	725.5	727.	728.6	730.6	732.	74.8	733 8	735.	737.	738.1	75.
12	654.	67.7	654.6	655.2	655.	655.7	656.	67.5	656.	656.	657.	656.5	67.3
13	747.8	73.7	747.9	747.5	747.1	747.	747.	73.7	747.2	747.5	747.5	747.2	73.7
14	688.8	70.1	689.1	690.	690.	690.6	691.	70 1	691.4	691.6	692.	692.6	70.1
16	705.6	72.2	706.5	707.7	708.2	709.	709.6	72.2	710.5	711.	711.5	712.	72.3
17	809.	78.5	808.	807 5	807.7	807.3	807.1	78.3	807.7	807.2	807.6	807.	78.
18	703.4	72.	703.3	704.3	705.	705.8	705 7	72 2	706.	707.1	707.5	708.6	72.4
19	753.	75.3	753.2	753.9	754.7	755.	755.6	75.3	756.	756.8	757.	757.5	75.3
20	476.7	53.3	477.7	476.8	477.4	476.5	476.4	53.3	475.5	474.6	474.	473.5	53.2
21	724.4	71.4	724.8	724.4	724.5	724.	724.3	71.2	724.	723.6	723.3	722.9	71.1
23	762.2	74.5	762.	761.9	761.8	761.3	761.4	74.3	761.3	761.3	761.4	761.1	74.2
24	782.5	74.2	781.2	780	779.2	777.5	776.2	73.8	775.2	774.	773.	771.6	73.3
25	783.7	77.	784.	783.7	784.4	786.1	786.	76.4	786.5	786.6	787.2	786.4	75.8
26	805.	78.3	806.	805.6	806.	805.9	805.7	78.2	806.	807.2	808.	808.2	78.
27	689.9	71.3	691.2	692.1	693.1	694.	695.4	71.5	696.	697.	698.	698.7	71.8
28	792.9	78.1	793.4	794.	795.2	795.9	796.2	78.1	797.	797.5	798.	798.8	78.1
30	813.7	79.	813.2	813.4	813.3	814.5	814.5	78.6	814.6	813.	813.1	812.5	78.2
31	689.3	71.3	690.	691.	692.1	693.	694.4	71.5	695.6	696.7	698.6	698.5	71.7
Means	709.2	71.6	709.6	709.9	710.4	710.7	711.	71.5	711.5	711.8	712.3	712.4	71.4
Reduced to 32° Fah	175.1		175.7	176.2	176.9	177.4	177.9		178.6	179.1	179.8	180.	

Göttingen time..... Observatory time.....	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
May 2	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....
3	683.2	71.	686.2	687.9	690.	691.7	693.1	71.	693.6	695.1	696.2	697.1
4	676.5	72.	677.2	678.4	680.	681.2	682.7	72.	683.8	685.8	686.7	688.2
5	757.7	74.5	757.7	757.6	757.7	757.7	759.4	74.6	759.8	760.	760.	761.
6	587.5	60.8	587.	586.6	586.3	584.1	583.	60.5	582.4	581.6	580.6	582.
7	626.6	63.	627.	626.8	626.3	625.4	624.5	63.2	622.5	622.5	621.7	621.5
9	508.	55.	507.	506.	505.4	505.	503.4	55.	502.6	502.	501.7	501.
10	662.1	66.7	662.5	660.7	660.7	660.	660.5	66.8	661.6	662.3	660.8	657.7
11	627.1	64.7	627.	627.	627.	626.1	626.5	64.5	625.5	626.4	625.	624.3
12	670.	66.5	671.4	671.8	666.9	667.5	666.3	66.3	665.1	661.6	658.6	658.2
13	630.9	68.2	638.	643.1	646.	648.3	648.5	68.2	652.4	653.1	654.8	657.2
14	696.6	71.3	695.6	696.	696.4	698.3	698.5	71.4	694.4	699.9	702.1	702.4
16	657.6	67.8	667.7	662.2	664.2	668.7	665.2	67.9	667.	675.7	676.1	678.6
17	689.6	74.	691.4	693.1	695.8	696.1	698.7	74.	700.8	706.3	715.3	715.6
18	661.1	66.3	660.5	659.5	658.	657.6	656.9	66.3	656.	655.	655.3	654.2
19	663.6	66.7	663.2	663.2	664.4	664.6	664.8	66.8	664.8	663.4	663.3	663.1
20	610.9	62.4	608.5	606.7	604.8	602.5	600.5	62.	599.1	597.2	596.	592.2
21	671.4	68.8	672.5	673.8	675.2	676.	677.4	69.6	678.5	680.2	682.2	683.7
23	733.9	76.7	737.2	741.	744.3	747.8	751.1	77.4	754.4	757.7	760.7	763.7
24	662.1	71.6	666.1	670.1	675.	673.8	683.	74.6	688.8	693.8	700.	705.4
25	752.	74.8	752.	752.9	754.3	754.7	754.6	74.7	754.6	752.6	754.9	755.5
26	807.1	77.	807.	807.	806.7	806.3	805.5	77.4	807.7	804.7	805.9	807.1
27	694.6	68.4	694.6	694.6	694.2	692.8	692.1	68.2	691.9	690.9	690.3	689.2
28	699.	71.3	698.5	700.2	701.9	702.6	704.8	72.6	705.6	707.2	708.2	709.5
30	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....
31	676.1	69.	675.	675.	673.3	672.2	671.7	68.8	670.6	668.1	668.3	666.3
Means	671.1	68.7	672.1	672.5	673.1	673.4	673.9	68.9	674.3	675.1	676.	676.5
Reduced to 32° Fah.	175.8		176.2	176.	176.	175.7	175.6		175.8	176.4	177.1	177.4

Göttingen time Observatory time	h. m. 13 34 7 53½	Therm., Fah.	h. m. 13 40 7 59½	h. m. 13 46 8 05½	h. m. 13 52 8 11½	h. m. 13 58 8 17½	h. m. 14 04 8 23½	Therm., Fah.	h. m. 14 10 8 29½	h. m. 14 16 8 35½	h. m. 14 22 8 41½	h. m. 14 28 8 47½	Therm., Fah.
May 2	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	....
3	698.3	71.	699.1	699.2	700.6	701.5	702.2	71.	702.6	703.	703.6	704.	71.
4	690.	72.	691.1	692.4	694.1	696.	698.	72.	700.	702.2	704.	706.3	72.
5	761.2	74.8	761.4	761.3	761.2	762.1	762.3	74.7	762.3	762.7	762.6	762.9	74.5
6	582.7	61.	583.2	583.7	583.9	583.2	583.	60.7	582.9	583.	582.1	582.7	61.2
7	620.1	63.	618.6	618.	617.2	615.7	614.5	62.7	613.6	614.5	613.5	613.	62.5
9	501.	55.1	500.	499.8	500.	500.3	500.2	55.1	499.6	500.3	499.8	500.	55.2
10	658.2	67.	660.7	661.3	657.6	657.9	655.6	67.	655.7	655.3	654.7	654.1	65.5
11	623.8	64.2	624.2	623.6	623.6	623.8	623.7	64.5	623.8	624.	624.1	624.3	64.9
12	657.6	66.2	655.2	655.	654.1	653.1	651.5	66.	651.9	651.	650.4	649.9	65.8
13	657.6	68.2	660.	660.6	662.1	663.5	664.6	68.8	666.	666.6	667.5	668.9	69.2
14	703.	71.3	702.4	704.1	705.1	706.2	705.6	71.2	706.3	706.4	707.4	707.3	71.1
16	683.2	68.	684.2	684.2	692.7	688.9	687.1	68.3	685.5	685.7	685.5	686.4	68.4
17	717.8	74.4	722.3	725.3	727.9	730.9	733.2	74.5	735.1	736.5	738.2	739.8	74.8
18	654.	66.4	653.1	653.4	653.6	653.2	653.5	66.5	653.	652.4	652.5	652.3	66.8
19	662.3	67.	662.5	662.4	662.6	662.3	661.	67.3	661.7	662.	662.9	662.9	67.5
20	592.6	61.3	590.8	588.5	586.8	585.4	583.	60.8	583.5	580.6	577.	578.2	61.2
21	686.4	70.4	687.8	689.3	691.5	692.9	695.1	71.5	697.	699.6	702.	704.2	72.
23	766.8	77.6	770.	772.3	775.1	777.2	779.6	77.8	781.6	784.1	785.6	787.8	77.8
24	710.8	76.7	716.5	721.9	727.4	732.5	737.1	77.7	741.7	746.5	751.3	755.2	78.2
25	755.5	74.7	756.8	756.7	757.	757.1	757.5	74.7	758.3	758.6	759.	759.6	74.6
26	806.7	77.6	805.5	807.5	808.	810.5	809.	77.8	808.7	808.3	812.1	810.6	77.5
27	688.4	68.1	688.	688.1	686.5	685.	685.6	68.	685.5	685.4	685.1	684.5	68.
28	712.6	70.8	711.3	713.7	716.4	717.	719.1	73.	720.8	722.	723.	723.8	73.4
30	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	....
31	666.4	68.6	665.4	665.	664.7	664.	663.7	68.4	663.6	663.1	662.8	662.8	68.2
Means	677.4	69.	678.	678.6	679.6	680.	680.2	69.2	680.9	681.4	681.9	682.5	69.2
Reduced to 32° Fah.	178.1		178.2	178.3	178.8	178.7	178.4		178.9	179.2	179.5	180.	

Göttingen time / Observatory time	h. m. 11 32 / 5 51½	Therm., Fah.	h. m. 11 38 / 5 57½	h. m. 11 44 / 6 03½	h. m. 11 50 / 6 09½	h. m. 11 56 / 6 15½	h. m. 12 02 / 6 21½	Therm., Fah.	h. m. 12 08 / 6 27½	h. m. 12 14 / 6 33½	h. m. 12 20 / 6 39½	h. m. 12 26 / 6 45½	Therm., Fah.
May 2	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	....
3	569.4	66.	564.9	570.5	570.	569.2	565.	65.9	570.2	570.7	569.9	572.2	66.
4	570 6	66.	572.7	573.7	571.2	573.5	573.	66.	574.2	575.5	580.7	583.	66.
5	579.5	70.4	580.	579.6	579.3	578.8	579.1	71.	579.3	580.5	580.4	579.7	71.5
6	588.3	59.5	587.9	586.3	586.	585.2	583.2	59.6	581.8	583.	582.8	581.4	59.8
7	638.	62.4	639.1	630.7	620.8	617.2	605.4	62.	597.2	594.5	592.1	593.4	61.7
9	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	....
10	574.4	63.9	578.7	581.9	581.6	583.9	583.4	64.2	582.2	583.8	585.2	584.	64.
11	620.5	63.4	621.3	621.8	619.6	617.6	620.4	63.5	620.9	619.8	620.9	621.3	63.8
12	.....	....	.....	.....	.....	.....	622.1	65.5	621.8	621.6	621.6	618.9	65.4
13	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	....
14	575.8	67.	575.5	575.	574.	575.7	572.7	67.8	574.5	577.	576.9	577.2	68.2
16	564.6	63.2	571.4	586.4	587.	576.6	587.6	64.2	591.9	592.9	598.3	604.4	64.8
17	620.3	68.8	621.3	622.3	622.5	622.6	625.3	68.8	627.1	631.5	631.5	636.5	68.8
18	618.8	65.2	618.4	617.7	618.3	618.3	618.3	65.	618.2	617.6	617.7	617.5	65.
19	657.6	66.3	657.7	655.	655.4	654.1	651.1	66.2	646.6	648.	646.8	650.6	66.6
20	637.	62.5	637.9	637.	634.5	634.2	633.2	61.7	633.4	633.8	632.6	633.3	61.
21	626.8	65.2	625.	627.3	629.7	629.9	630.7	65.4	631.8	632.6	632.2	632.8	65.7
23	639.2	71.7	638.6	637.8	638.3	640.	642.2	73.2	643.6	645.2	645.9	649.4	74.8
24	606.5	65.	605.7	610.3	604.4	612.9	615.5	66.5	616.7	613.7	613.5	614.5	68.5
25	645.	72.3	644.2	639.7	640.6	638.3	638.7	72.5	640.	640.6	645.6	640.5	72.7
26	648.6	72.	647.6	645.2	644.3	641.4	641.1	72.5	640.2	641.8	644.6	644.4	73.
27	654.9	68.	654.9	654.6	654.4	653.5	652.7	67.8	651.2	650.8	651.6	652.4	67.7
28	624.9	68.8	624.3	624.2	621.6	622.6	622.4	68.8	620.1	619.9	620.2	619.1	70.1
30	647.9	70.1	647.2	646.9	648.5	648.9	649.	70.	648.1	647.3	647.	646.7	70.2
31	627.	65.8	627.	625.	625.	623.5	623.	65.4	622.5	622.5	623.6	623.5	65.
Means	615.2	66.5	615.5	615.9	614.9	613.5	614.6	66.7	614.5	615.2	615.7	616.4	67.
Reduced to 32° Fah.	525.5		525.7	526.	524.9	523.4	524.4		524.1	524.6	524.9	525.3	

Göttingen time..... Observatory time.....	h. m. 21 02 15 21½	Therm., Fah.	h. m. 21 08 15 27½	h. m. 21 14 15 33½	h. m. 21 20 15 39½	h. m. 21 26 15 45½	h. m. 21 32 15 51½	Therm., Fah.	h. m. 21 38 15 57½	h. m. 21 44 16 03½	h. m. 21 50 16 09½	h. m. 21 56 16 15½
May 2.....	579.	56.6	575.6	573.1	572.1	570.6	568.	56.6	569.8	567.7	567.1	571.
3.....	577.8	66.	577.9	579.5	582.9	583.7	583.4	66.	585.1	585.7	585.1	583.4
4.....	590.4	72.9	588.7	578.2	582.8	591.4	595.	73.	590.8	576.1	572.	580.2
5.....	587.2	70.	589.2	588.5	588.7	587.5	587.	70.3	587.7	589.1	588.5	590.7
6.....	588.2	67.	.....	597.1	597.7	595.9	597.	67.5	602.	609.1	615.2	616.7
7.....	586.	63.2	581.7	580.2	578.1	577.	580.	63.3	577.8	580.	581.	576.1
9.....	557.5	66.9	560.1	558.4	551.4	547.6	551.5	67.1	552.	551.4	553.6	554.7
10.....	594.	67.	589.6	586.6	587.7	588.	586.	67.2	590.7	588.1	588.	593.5
11.....	615.1	72.3	616.6	616.4	618.6	618.6	619.4	73.	618.3	619.9	619.3	620.7
12.....	585.3	65.5	587.8	590.5	590.1	590.2	593.7	65.8	594.2	595.6	593.5	596.
13.....	613.	73.1	613.5	615.8	625.4	634.9	638.4	73.2	640.	637.7	632.7	629.
14.....	594.1	67.6	594.9	593.4	593.5	593.6	594.7	68.1	591.8	590.6	590.	590.2
16.....	613.3	70.6	618.9	635.5	644.4	648.4	647.9	71.	647.8	641.8	640.5	635.7
17.....	640.6	78.	645.2	644.6	645.8	644.5	644.3	78.1	641.4	646.4	642.	643.9
18.....	635.9	71.	631.7	629.	643.2	639.5	639.1	71.2	660.4	656.	656.7	656.5
19.....	658.2	73.5	657.5	654.2	653.2	652.7	658.6	74.2	659.7	658.7	659.	660.
20.....	596.	52.6	594.9	594.1	596.5	598.	597.5	52.4	599.5	601.4	599.	598.2
21.....	640.1	70.8	638.6	639.2	638.6	640.2	642.	70.9	640.8	638.8	640.	640.
23.....	635.	73.8	634.4	634.1	634.	632.8	629.8	73.9	632.5	633.5	636.	633.6
24.....	646.	75.4	642.7	644.	641.5	640.2	642.	75.	643.8	640.1	642.6	641.
25.....	635.5	73.6	637.8	630.2	629.	629.5	632.3	74.2	630.5	629.2	629.9	634.5
26.....	650.6	77.8	645.	641.8	642.	638.6	643.	77.8	641.5	647.1	648.1	647.1
27.....	629.1	69.	631.2	628.8	629.8	631.7	631.7	69.6	635.	636.7	637.5	638.3
28.....	650.5	75.8	644.8	647.7	652.1	658.8	653.4	76.3	650.1	648.	645.4	643.7
30.....	662.2	77.	662.9	662.1	662.	663.8	664.	77.3	664.7	664.	663.5	663.6
31.....	630.2	68.1	629.6	629.7	627.2	626.9	625.7	68.6	626.1	626.2	625.	625.2
Means.....	615.	69.8	615.6	614.3	615.7	616.3	617.2	70.1	618.2	617.6	617.4	617.6
Reduced to 32° Fah.....	516.7		517.1	515.7	517.	517.4	518.2		519.1	518.4	518.	518.1

Göttingen time Observatory time	h. m. 22 02 16 21½	Therm., Fah.	h. m. 22 08 16 27½	h. m. 22 14 16 33½	h. m. 22 20 16 39½	h. m. 22 26 16 45½	h. m. 22 32 16 51½	Therm., Fah.	h. m. 22 38 16 57½	h. m. 22 44 17 03½	h. m. 22 50 17 09½	h. m. 22 56 17 15½	Therm., Fah.
May 2	571.2	56.6	570.7	570.7	569.3	571.1	571.	56.5	570.6	571.7	572.1	570.8	56.5
3	585.3	66.	587.7	587.8	590.5	578.9	585.	65.8	583.1	585.4	589.4	589.8	66.
4	578.1	73.	584.6	598.	602.2	602.6	606.8	73.2	605.4	603.2	599.	594.5	73.4
5	591.5	70.9	593.3	594.5	595.1	596.2	592.5	71.3	593.	594.6	596.	594.9	71.6
6	620.5	68.	623.	620.8	601.7	611.	616.5	68.5	615.1	614.5	619.1	617.	69.
7	577.	64.	569.	572.7	571.5	572.9	571.2	64.3	573.8	574.7	577.2	578.2	64.5
9	557.1	67.9	553.	549.7	540.2	537.7	539.5	68.2	542.2	544.7	542.7	543.5	68.5
10	603.	67.2	607.	607.2	626.	630.5	626.	67.3	619.7	605.7	603.9	607.2	67.4
11	620.	73.5	620.1	618.8	617.6	617.4	616.2	74.2	615.7	617.	614.8	619.7	74.8
12	597.8	66.2	598.1	600.2	601.5	602.	602.	66.6	601.7	602.	602.	603.5	67.
13	626.2	73.2	623.	625.7	626.8	625.	623.7	73.2	624.	626.1	627.3	632.7	73.4
14	590.7	68.7	593.4	591.9	593.	594.3	595.9	69.	598.8	600.5	598.8	599.	69.3
16	631.1	71.2	632.2	634.9	635.9	634.5	628.	71.7	627.7	635.	644.5	644.7	72.
17	648.8	78.3	650.7	650.5	650.	654.6	657.7	78.3	658.	657.2	661.5	659.	78.4
18	659.2	71.3	660.2	659.8	661.6	657.2	657.7	71.5	656.	658.2	659.	654.4	71.7
19	659.4	74.5	661.7	661.1	661.2	663.4	666.2	74.7	666.	666.3	666.	664.	74.9
20	600.3	52.2	600.	600.1	595.3	594.9	595.2	52.1	595.5	596.7	597.9	599.3	52.
21	642.	70.9	641.7	642.1	641.5	640.8	640.	70.9	641.8	642.9	644.2	642.9	71.
23	638.2	74.	642.2	644.8	644.8	634.9	626.2	74.	634.8	653.5	649.1	651.	74.
24	641.9	74.5	643.	640.9	638.3	639.2	637.5	74.	641.8	639.4	638.9	637.9	73.5
25	634.8	74.6	626.5	632.1	635.5	642.2	637.7	74.9	646.	644.2	648.3	654.7	75.2
26	651.8	77.5	650.4	648.8	653.8	656.2	652.5	77.3	651.3	651.9	655.5	655.1	77.
27	640.7	70.	639.	641.8	631.1	634.5	642.	70.5	642.7	639.7	630.6	635.7	71.
28	654.2	76.8	662.	664.4	665.	665.2	664.3	77.2	661.3	662.2	662.2	661.4	77.6
30	662.5	77.4	661.6	661.6	661.2	662.	662.8	77.2	661.3	659.7	660.7	660.5	77.
31	625.7	69.1	627.9	630.3	631.1	632.2	633.4	69.9	633.8	634.2	634.	635.1	70.4
Means	619.6	70.3	620.1	621.2	620.8	621.2	621.1	70.5	621.6	622.4	622.8	623.3	70.7
Reduced to 32° Fah	520.		520.5	521.5	521.	521.3	521.1		521.5	522.1	522.4	522.7	

Göttingen time..... Observatory time.....	h. m. 1 02 19 21½	Therm., Fah.	h. m. 1 08 19 27½	h. m. 1 14 19 33½	h. m. 1 20 19 39½	h. m. 1 26 19 45½	h. m. 1 32 19 51½	Therm., Fah.	h. m. 1 38 19 57½	h. m. 1 44 20 03½	h. m. 1 50 20 09½	h. m. 1 56 20 15½
May 2	574.8	56.7	574.1	574.2	574.	573.5	572.4	56.4	572.	572.5	572.7	575.8
3	595.3	64.	594.4	594.8	594.7	596.2	595.5	63.5	595.7	594.	594.7	597.1
4	604.5	73.9	602.	603.5	601.5	600.7	598.2	74.	599.9	595.5	599.5	593.5
5	603.5	71.3	604.	604.5	604.9	604.5	606.3	70.9	606.8	607.2	607.2	605.2
6	621.	69.6	622.	618.8	614.5	620.2	619.6	69.4	620.4	619.5	619.	617.5
7	.....	64.2	.....	.....	611.8	611.2	609.3	64.	608.3	608.6	606.7	603.7
9	585.	71.3	586.	586.8	585.5	585.7	585.1	71.5	585.9	582.5	582.5	582.5
10	.....	67.5	612.2	611.3	611.9	614.8	616.6	67.5	617.8	616.3	613.8	612.5
11	645.5	75.	646.1	647.1	647.8	645.6	644.3	75.	642.4	642.2	641.6	643.2
12	607.	66.8	608.3	610.5	611.8	612.2	612.	66.	610.5	611.4	610.2	607.7
13	639.	72.4	640.2	639.	639.6	639.7	640.6	72.2	638.	637.6	636.4	635.7
14	604.1	69.1	605.4	605.5	606.	605.7	606.2	69.6	603.6	605.9	608.4	609.
16	640.5	71.8	638.1	636.8	639.9	643.8	645.6	71.9	645.	643.6	641.7	641.3
17	667.	77.	666.5	671.4	670.3	668.8	667.8	76.6	668.7	670.	670.1	673.5
18	664.7	71.8	663.2	665.6	662.8	664.2	660.7	71.5	660.8	659.7	658.9	661.6
19	670.8	75.	671.3	672.6	671.7	672.1	672.7	74.8	674.5	673.5	673.	671.4
20	601.7	51.	596.8	595.4	593.1	595.4	595.2	50.8	594.	593.6	590.6	592.7
21	647.3	69.4	647.7	648.	644.9	647.5	648.1	69.	647.2	647.2	646.7	645.2
23	.....	73.4	647.7	648.	648.	647.7	648.3	73.	647.6	646.6	647.	646.1
24	652.	71.4	652.	651.1	649.1	649.5	645.5	70.9	645.8	643.7	642.1	644.2
25	666.2	72.1	665.6	667.2	672.3	675.2	671.8	71.7	668.9	669.5	668.3	663.4
26	674.2	75.8	670.7	669.5	670.7	669.7	669.7	75.7	668.7	665.	665.	663.7
27	661.9	72.	665.7	661.1	661.1	662.1	658.5	72.	657.6	656.3	654.9	652.7
28	657.	77.7	659.	664.7	660.4	662.2	661.5	77.2	662.5	664.2	665.6	664.1
30	664.7	76.6	664.	662.8	663.3	665.2	665.	76.2	666.2	666.1	666.3	666.6
31	646.2	71.	647.2	647.4	648.3	647.	647.3	70.8	647.5	648.3	648.	648.4
Means	634.5	70.3	634.2	634.3	633.1	633.9	633.2	70.1	632.9	632.3	632.	631.5
Reduced to 32° Fah.	533.6		534.1	534.3	533.9	533.8	533.2		534.	533.6	533.4	533.

Göttingen time / Observatory time	h. m. 2 02 / 20 21½	Therm., Fah.	h. m. 2 08 / 20 27½	h. m. 2 14 / 20 33½	h. m. 2 20 / 20 39½	h. m. 2 26 / 20 45½	h. m. 2 32 / 20 51½	Therm., Fah.	h. m. 2 38 / 20 57½	h. m. 2 44 / 21 03½	h. m. 2 50 / 21 09½	h. m. 2 56 / 21 15½	Therm., Fah.
May 2	579.7	56.3	578.3	577.9	578.	576.5	573.4	56.1	573.5	575.	575.2	575.	56.
3	595.5	63.2	595.	595.2	594.8	594.7	594.	62.9	592.7	594.	594.9	592.7	62.6
4	593.9	74.	595.5	590.	589.3	588.2	590.2	74.	592.	590.4	588.5	587.9	74.
5	607.	70.5	.....	606.2	606.	594.5	596.2	70.5	598.6	598.4	600.1	600.4	70.4
6	615.	69.2	617.8	622.7	620.5	621.5	620.5	69.	620.5	618.4	618.	619.5	68.8
7	601.7	63.7	598.	598.	598.	598.7	598.9	63.5	599.7	596.3	598.4	599.	63.3
9	584.2	71.2	585.8	590.8	590.1	591.5	591.6	71.	588.6	587.1	589.	591.4	70.8
10	611.7	67.2	613.2	615.5	614.9	616.	618.4	67.1	620.8	621.3	623.6	617.	67.
11	641.8	75.	640.5	641.7	638.7	639.4	639.5	74.8	641.	638.7	631.3	632.4	74.7
12	607.7	65.6	607.5	608.5	607.4	608.4	609.7	65.3	611.	610.2	610.3	609.	65.
13	634.5	71.8	633.2	630.5	629.3	629.3	630.5	71.4	631.	630.8	629.1	626.6	71.
14	608.3	68.1	608.	608.7	608.7	609 3	608.2	67.8	608.5	609.	610.8	612.4	67.6
16	638.8	71.5	641.2	647.5	651.1	660.5	672.2	71.5	676.3	676.9	676.5	671.9	71.5
17	672.5	75.9	675.5	677.6	677.	674.7	674.	75.4	670.	666.	665.1	662.1	75.
18	660.5	71.3	659.5	657.4	657.4	660.4	656.1	71.2	648.8	651.3	644.2	641.5	71.1
19	670.	74.8	670.3	670.	671.2	671.	671.7	74.3	673.2	672.8	671.7	672.7	74.
20	593.5	52.1	593.	595.6	594.8	596.7	596.2	52.5	596.7	597.1	596.5	598.9	53.
21	644.4	68.2	644.5	644.9	646.8	646.1	646.6	67.8	646.6	646.1	645.7	645.7	67.4
23	648.3	72.5	647.	647.4	647.	646.7	646.6	72.2	645.5	647.8	653.	653.8	72.
24	641.4	70.4	646.7	648.4	655.7	654.5	642.2	70.	641.2	640.2	645.5	637.	69.5
25	662.3	71.8	663.4	665.4	658.8	665.	665.4	71.6	659.5	657.	647.6	648.5	71.5
26	658.2	75.6	660.8	663.1	663.5	662.2	661.9	75.5	661.3	662.	661.5	659.6	75.4
27	653.2	72.	654.7	654.2	652.9	653.3	652.8	72.	655.4	657.2	651.	645.7	71.9
28	660.3	76.8	658.1	657.4	657.6	661.4	660.5	76.6	658.8	658.3	659.8	663.2	76.4
30	666.7	75.8	666.9	665.7	666.1	665.	664.1	75.2	663.1	662.	662.3	663.6	74.8
31	648.1	70.4	648.	648.4	649.	649.2	648.2	70.	649.5	648.4	648.9	648.9	70.
Means	630.7	69.8	632 1	631.9	631.7	632.1	631.9	69.6	631.6	631.3	630.7	629.8	69.4
Reduced to 32° Fah.	532.4		533.9	533.8	533.7	534.3	534.2		534.	533.8	533.3	532.5	

Göttingen time..... Observatory time.....	h. m. 15 32 9 51½	Therm., Fah.	h. m. 15 38 9 57½	h. m. 15 44 10 03½	h. m. 15 50 10 09½	h. m. 15 56 10 15½	h. m. 16 02 10 21½	Therm., Fah.	h. m. 16 08 10 27½	h. m. 16 14 10 33½	h. m. 16 20 10 39½	16 26 10 45½
May 2.....	593.9	56.9	591.	590.8	591.5	592.1	592.7	57.	594.2	592.9	591.7	591.9
3.....	613.2	66.9	614.9	611.2	608.	605.	604.7	66.8	605.2	606.4	605.	605.2
4.....	607.9	70.3	606.5	603.	604.2	602.7	600.	71.	595.9	596.	595.2	595.2
5.....	615.	69.	614.7	613.5	613.2	613.6	615.6	69.4	614.3	613.3	613.8	611.1
6.....	.....	61.4	626.9	617.4	619.6	622.	630.7	61.8	630.9	631.5	632.	632.2
7.....	598.7	61.6	598.5	599.	599.4	600.7	601.6	61.7	601.	601.	602.7	603.2
9.....	580.8	54.8	581.9	583.6	586.5	582.9	571.	54.7	570.	573.7	568.4	569.8
10.....	600.2	63.6	600.5	600.	601.4	601.7	601.9	64.3	603.	606.6	605.7	603.
11.....	646.	65.6	642.6	640.	641.3	639.7	639.8	65.7	638.1	635.8	633.	632.
12.....	638.	64.4	637.6	637.4	635.3	634.3	634.	64.3	633.5	631.5	633.	633.7
13.....	627.6	69.3	628.1	628.6	628.1	629.4	628.6	69.7	629.	631.2	630.5	631.6
14.....	612.7	68.	612.3	610.	611.2	611.	609.7	67.7	609.5	607.9	606.6	605.5
16.....	658.	66.4	662.1	662.4	655.3	659.5	664.5	66.5	667.1	667.2	673.8	681.2
17.....	646.9	74.2	647.4	657.	655.7	656.6	655.1	74.7	658.8	662.7	661.2	655.
18.....	657.4	66.4	658.4	661.8	663.4	663.5	664.9	66.7	662.9	664.4	662.2	662.5
19.....	663.	68.1	666.4	663.4	664.7	662.3	660.3	68.4	662.	662.5	663.	663.7
20.....	642.	57.1	641.5	639.6	638.2	636.	634.9	56.7	634.	630.6	628.6	624.6
21.....	666.8	69.6	666.9	667.6	669.5	670.2	668.5	70.	667.2	665.6	664.3	662.4
23.....	669.	76.2	667.9	670.	670.1	669.3	667.1	76.2	665.7	664.4	.....	661.6
24.....	678.8	75.9	682.	681.1	679.8	678.4	684.6	76.4	688.	679.1	683.5	682.4
25.....	667.1	72.3	665.5	664.5	665.2	662.	667.	72.2	663.3	661.	661.1	661.6
26.....	691.7	75.	691.5	694.9	699.4	699.7	701.4	75.5	701.8	693.	691.7	692.6
27.....	658.9	67.	657.8	661.9	664.4	661.7	661.	67.	662.5	663.1	662.7	660.
28.....	656.9	72.6	659.5	659.5	664.2	653.7	663.7	72.9	663.3	662.	661.5	656 3
30.....	657.2	73.4	656.7	656.4	656.2	655 3	657.	74.3	658.4	657.9	658.2	659.4
31.....	651.	66.1	651.3	651.	650.6	648.5	647.4	66.	649.2	648.2	648.	647.4
Means.....	639.9	67.4	639.6	639.4	639.8	638.9	639.5	67.6	638.8	638.8	637.5	638.1
Reduced to 32° Fah...	547.4		547.5	547.2	547.5	546.5	547.		546.2	546.1	545.5	545.2

Göttingen time / Observatory time	h. m. 16 32 / 10 51½	Therm., Fah.	h. m. 16 38 / 10 57½	h. m. 16 44 / 11 03½	h. m. 16 50 / 11 09½	h. m. 16 56 / 11 15½	h. m. 17 02 / 11 21½	Therm., Fah.	h. m. 17 08 / 11 27½	h. m. 17 14 / 11 33½	h. m. 17 20 / 11 39½	h. m. 17 26 / 11 45½	Therm., Fah.
May 2	591.1	57.	590.5	590.6	589.6	588.8	588.7	57.	588.	586.7	586.2	585.3	57.
3	604.3	66.7	601.9	598.2	597.7	599.8	601.6	66.6	593.4	595.1	594.8	594.6	66.5
4	591.	71.	587.5	585.	586.1	586.7	586.7	71.	584.2	580.4	586.7	587.5	71.
5	618.	69.5	.....	.....	.....	601.8	600.3	69.5	600.	600.3	599.5	598.1	69.4
6	630.7	62.3	629.6	630.6	630.6	628.4	626.1	62.7	619.	620.5	618.2	616.4	63.
7	603.1	61.7	602.3	601.7	601.7	601.2	601.	61.7	601.7	602.2	601.1	600.5	61.7
9	563.	54.5	560.5	555.8	553.4	554.5	553.8	54.3	555.	549.7	549.5	545.4	54.
10	605.	64.9	605.3	604.6	603.5	602.8	601.3	65.3	601.1	602.2	602.1	603.3	65.6
11	631.	66.3	632.2	630.5	629.5	630.4	632.3	66.8	629.	628.7	627.9	627.8	67.1
12	632.3	64.3	631.9	631.	633.1	632.	629.1	64.3	627.3	625.6	625.5	626.7	64.3
13	628.6	70.4	627.1	627.6	627.5	628.4	628.2	71.	631.3	632.1	631.2	631.	71.4
14	606.	67.5	604.5	602.7	600.	598.8	595.4	67.3	593.7	593.6	591.	589.5	67.2
16	682.	66.8	673.8	672.8	685.9	673.2	655.6	67.2	649.1	642.4	640.3	643.2	67.6
17	657.3	75.2	659.7	677.7	682.3	684.1	686.9	75.6	692.	692.9	687.5	687.5	76.
18	656.8	67.2	658.6	655.4	655.4	655.	657.5	67.5	657.6	656.6	652.	653.2	67.8
19	665.	68.8	668.7	670.2	669.	663.	662.2	69.3	667.8	668.7	669.8	671.1	69.7
20	623.2	56.	622.8	620.	618.2	616.9	617.7	55.5	617.	612.4	609.9	610.4	55.
21	665.6	70.3	662.8	664.2	666.7	666.	661.7	70.5	660.4	661.7	659.	657.7	70.6
23	660.3	76.	662.	661.9	658.8	659.8	659.7	75.5	661.7	659.5	656.4	656.6	75.
24	686.9	76.9	684.6	685.5	684.5	685.2	687.4	77.2	687.3	686.6	684.2	685.3	77.5
25	659.8	72.2	661.	659.	661.	660.5	662.4	72.2	659.8	666.2	664.	660.	72.2
26	691.	75.8	690.9	691.4	690.3	687.	688.3	76.1	689.6	690.8	688.6	686.8	76.2
27	659.1	67.	659.2	658.9	659.	658.2	657.	67.1	657.1	653.	653.7	651.7	67.1
28	662.8	73.1	658.3	661.	658.5	657.6	659.2	73.3	660.7	663.1	663.2	663.3	73.4
30	660.	74.8	660.8	662.5	663.3	653.2	656.1	75.2	658.2	671.3	671.	672.2	75.7
31	650.	66.	650.	647.	644.2	642.2	643.2	66.1	644.4	645.	645.	645.	66.2
Means	638.1	67.8	637.8	638.	638.	635.2	634.6	67.9	634.1	634.1	633.1	632.7	68.
Reduced to 32° Fah.	545.1		545.	545.1	545.	541.9	541.2		540.7	540.6	539.6	539.1	

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	6 00	6 06	6 12	6 18	6 24	6 30	6 36	6 42	6 48	6 54
Observatory time	0 19½	0 25½	0 31½	0 37½	0 43½	0 49½	0 55½	1 01½	1 07½	1 13½
June 1	564.5	563.4	564.	564.	564.6	564.1	564.	563.9	565.	564.2
2	567.3	567.	566.3	567.4	565.3	567.5	565.6	565.	564.9	564.5
3	563.	563.9	563.8	564.3	564.5	564.5	564.1	564.3	565.2	565.3
4	563.6	564.4	563.9	563.7	565.5	564.7	565.4	565.3	565.9	562.8
6	560.3	560.	560.2	560.5	559.7	560.	560.	559.8	556.1	555.9
7	560.4	560.5	558.7	557.8	559.2	559.7	559.5	560.8	559.6	559.2
8	564.5	564.7	564.3	563.9	563.7	562.7	561.6	561.6	561.7	561.7
9	563.	562.8	562.1	561.4	562.1	561.6	561.7	561.	562.4	561.7
10	561.2	561.	561.1	560.9	560.9	561.	561.3	561.2	560.9	560.9
11	562.6	562.1	561.6	561.2	561.2	562.3	562.3	562.6	562.	561.8
13	573.1	568.4	561.	555.1	543.1	540.2	541.7	546.4	553.7	559.3
14	562.4	561.6	562.	561.5	561.2	562.3	562.2	560.6	561.	561.
15	564.	566.	568.9	571.6	574.9	577.	577.1	577.	574.8	573.
16	565.6	565.4	564.3	564.2	563.7	564.4	564.3	564.3	564.1	564.
17	567.	567.	566.2	565.3	567.1	565.9	564.6	564.9	564.5	563.9
18	563.	562.8	562.9	563.8	565.1	564.8	564.8	564.6	564.9	565.1
20	563.7	563.5	563.6	563.1	561.5	562.8	563.1	564.	563.8	563.1
21	562.9	563.	563.1	563.	563.1	563.3	563.4	563.1	563.3	563.2
22	564.	564.1	564.1	565.	564.3	564.2	564.1	564.	564.	564.1
23	589.3	582.	577.7	575.3	574.1	569.6	565.9	562.8	562.7	563.
24	554.7	556.5	559.4	560.3	563.4	570.	572.1	572.7	575.2	574.1
25	567.	569.8	569.8	570.3	570.4	570.8	569.1	568.8	567.3	567.2
27	570.	569.6	570.8	569.5	568.9	566.2	567.5	567.4	566.8	568.6
28	566.9	565.2	564.7	562.5	561.7	560.8	560.	561.5	562.6	562.1
29	566.1	567.2	567.5	567.1	565.2	567.3	567.6	566.6	566.4	566.
30	571.	571.6	571.3	571.3	570.9	569.7	568.	567.7	566.9	567.
Means	565.4	565.1	564.8	564.4	564.1	564.1	563.9	563.9	564.1	563.9

Göttingen time / Observatory time	h. m. 7 00 / 1 19½	h. m. 7 06 / 1 25½	h. m. 7 12 / 1 31½	h. m. 7 18 / 1 37½	h. m. 7 24 / 1 43½	h. m. 7 30 / 1 49½	h. m. 7 36 / 1 55½	h. m. 7 42 / 2 01½	h. m. 7 48 / 2 07½	h. m. 7 54 / 2 13½
June 1	564.4	564.3	565.	564.8	564.5	565.	564.	564.1	563.9	564.2
2	561.3	561.5	565.7	563.5	564.2	564.4	566.7	568.3	567.4	568.8
3	566.3	565.2	564.4	565.7	564.8	565.3	566.4	566.4	565.4	565.1
4	565.3	563.4	565.4	565.	565.1	564.9	563.	562.2	563.7	564.
6	557.7	559.6	558.6	556.7	555.2	554.1	553.7	553.7	555.	555.1
7	559.1	559.3	559.8	559.	557.9	558.3	558.	557.	556.6	556.5
8	562.3	560.8	561.	559.9	557.3	557.8	557.9	558.5	558.2	557.5
9	561.5	560.6	561.	561.1	560.6	560.	560.2	562.9	561.1	561.6
10	561.2	561.4	561.	561.2	561.2	561.2	561.3	561.5	561.8	562.
11	561.1	561.2	560.9	561.8	561.9	561.7	561.5	561.1	562.3	562.4
13	564.6	566.5	567.9	568.4	567.	567.3	567.5	567.3	566.6	567.2
14	560.7	560.5	560.2	560.5	559.9	560.4	559.6	559.8	561.2	561.1
15	573.1	572.7	572.7	572.	573.8	567.2	568.5	568.6	568.2	568.3
16	562.3	563.5	563.6	564.	563.8	562.4	560.	558.3	556.3	553.8
17	563.1	563.7	564.2	564.1	564.4	564.8	564.9	565.	565.	565.1
18	565.8	566.	566.6	566.8	566.8	567.	567.	567.1	567.5	567.3
20	562.8	562.7	562.5	562.5	562.3	562.4	562.6	562.6	562.6	562.5
21	563.4	563.5	564.4	564.1	564.3	564.7	563.5	563.9	564.5	564.5
22	564.	560.4	564.9	565.	565.1	564.9	565.	565.7	565.6	565.
23	563.5	562.6	564.5	566.	569.5	571.8	572.7	572.9	572.4	567.5
24	574.	575.	575.3	577.1	585.7	573.4	564.3	560.4	555.1	546.7
25	566.2	566.1	565.9	565.2	565.6	565.	565.3	565.3	565.7	565.5
27	568.	568.6	569.5	570.1	569.5	570.	571.	568.3	567.8	566.5
28	562.9	563.	563.2	562.7	562.5	561.7	561.9	562.4	562.2	562.8
29	565.9	566.1	566.2	566.6	566.	565.	565.7	565.	563.8	562.8
30	566.9	567.	567.3	567.3	568.6	568.5	568.	567.8	568.4	567.8
Means	564.1	564.	564.7	564.7	564.9	563.8	563.9	563.7	563.4	562.8

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	18 00	18 06	18 12	18 18	18 24	18 30	18 36	18 42	18 48	18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
June 1	555.	555.6	555.	555.4	555.	554.	553.	552.6	553.	553.
2	548.5	544.8	548.3	547.7	547.	547.	546.3	546.4	546.7	546.5
3	552.5	552.6	552.8	552.5	552.7	552.5	552.3	551.4	551.	550.8
4	565.7	567.	568.	567.5	567.3	567.2	563.9	566.5	566.4	563.9
6	549.	548.6	548.6	548.	547.3	547.	547.1	547.	547.	546.8
7	544.1	544.1	544.	545.2	545.7	546.	546.1	546.1	546.	547.
8	543.7	543.5	543.4	543.2	543.7	544.1	544.	545.1	545.7	545.7
9	559.	559.	557.9	556.9	556.	556.3	554.5	552.2	554.	554.4
10	556.6	556.	553.	551.	548.	549.2	548.9	548.5	548.	548.
11	554.1	553.3	552.3	551.7	551.9	551.5	550.6	550.4	550.7	550.6
13	545.3	545.5	546.3	547.5	548.5	551.	554.4	552.4	548.	546.8
14	555.4	556.5	556.1	555.6	558.1	558.8	559.5	558.5	558.1	558.
15	559.2	558.	557.7	557.3	557.	556.9	556.5	556.7	556.	556.5
16	556.9	557.	557.	557.	557.2	558.	558.6	558.1	558.	557.4
17	556.2	556.	556.1	556.1	556.4	556.4	556.9	557.	557.	557.
18	554.5	555.4	553.6	553.5	552.9	553.6	553.5	553.2	553.	553.8
20	555.8	554.6	555.	555.	554.1	552.9	553.1	553.	553.1	553.1
21	556.2	556.4	556.5	555.5	555.5	555.2	554.5	554.1	554.7	554.5
22	556.2	557.4	555.9	555.7	554.	553.2	552.7	552.4	552.4	552.5
23	560.	558.3	558.1	558.	558.7	559.5	560.	560.	559.2	559.
24	555.3	555.9	554.4	554.4	554.2	553.	554.1	554.9	556.	556.5
25	555.1	555.6	556.	556.	556.4	556.3	555.4	555.1	554.5	554.6
27	554.4	554.	553.9	555.	554.7	554.1	554.4	552.9	551.4	552.
28	554.	553.6	553.6	553.2	552.7	552.9	552.3	552.5	552.6	552.6
29	558.	557.4	558.	557.5	556.9	556.2	556.	555.3	553.8	553.5
30	551.3	551.4	551.	548.	543.2	538.8	535.1	534.1	536.3	538.7
Means	554.3	554.1	553.9	553.6	553.3	553.1	552.8	552.6	552.4	552.4

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	2 00	2 06	2 12	2 18	2 24	2 30	2 36	2 42	2 48	2 54
Observatory time	20 19½	20 25½	20 31½	20 37½	20 43½	20 49½	20 55½	21 01½	21 07½	21 13½
June 1	559.5	560.	564.1	561.4	561.1	561.9	562.	561.8	560.4	562.4
2	571.1	570.9	570.9	569.5	568.1	568.7	571.5	573.1	577.8	578.3
3	562.6	564.	564.2	563.5	563.1	564.1	564.2	563.6	564.3	564.4
4	566.7	566.8	595.3	617.6	616.2	621.1	581.1	531.4	503.3	533.8
6	568.	566.	564.7	563.5	563.5	564.2	563.6	564.7	566.1	566.1
7	557.6	558.	557.7	557.2	557.4	557.	557.	557.3	557.1	557.1
8	558.6	558.	559.	561.2	561.1	561.2	561.	560.9	560.8	560.7
9	569.	567.6	568.	567.2	565.3	563.	563.	562.7	561.9	561.2
10	562.6	563.8	564.	563.6	563.2	562.7	562.4	562.4	562.8	563.3
11	558.8	560.7	560.7	562.3	564.1	563.6	563.6	561.8	563.2	562.5
13	571.5	569.	568.8	568.1	567.8	567.8	568.1	568.5	566.7	568.4
14	563.	563.6	564.6	565.	566.	569.	571.7	577.7	587.8	593.
15	566.4	566.	564.1	563.2	563.5	563.6	564.	564.4	563.7	563.5
16	561.	561.2	561.8	561.4	561.3	561.1	561.1	561.1	561.	561.
17	563.5	564.	564.	563.2	563.3	563.	563.	563.3	563.	563.8
18	563.	563.1	562.7	562.8	563.3	563.2	563.	561.7	561.4	561.5
20	564.1	564.2	564.2	564.1	564.2	564.2	564.	563.9	564.	563.5
21	563.	563.8	563.6	563.8	564.6	563.3	564.1	563.3	563.3	562.5
22	562.8	565.4	564.9	561.9	563.4	565.7	565.5	576.5	590.5	598.2
23	561.4	560.9	561.	560.2	560.5	562.5	563.6	565.6	564.7	565.2
24	563.4	567.3	569.6	567.8	566.2	564.1	563.8	560.7	563.2	565.7
25	575.	575.	573.1	572.3	572.	570.8	568.5	567.3	566.5	565.4
27	564.	563.3	565.9	567.3	568.	568.	567.5	566.8	566.1	566.
28	563.3	564.2	564.7	565.8	565.	564.2	564.	563.7	564.2	564.7
29	563.5	563.1	563.3	563.7	563.7	563.8	563.9	563.9	564.	564.
30	563.1	562.4	563.4	564.	564.5	565.	564.5	564.6	565.9	572.7
Means	564.1	564.3	565.7	566.2	566.2	566.4	565.	563.6	563.6	565.7

Göttingen time	h. m. 3 00	h. m. 3 06	h. m. 3 12	h. m. 3 18	h. m. 3 24	h. m. 3 30	h. m. 3 36	h. m. 3 42	h. m. 3 48	h. m. 3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
June 1	561.3	561.9	562.1	562.4	562.9	564.	563.3	563.1	563.1	563.2
2	578.9	577.3	574.3	573.1	571.1	567.6	566.9	567.3	566.3	565.4
3	563.9	563.5	563.9	563.5	563.4	562.5	562.8	563.4	563.	562.4
4	548.2	545.	548.	555.4	569.7	592.4	590.7	580.	581.7	573.
6	565.1	565.	566.4	567.6	566.7	564.9	562.2	560.3	563.8	564.1
7	558.1	557.6	558.4	559.7	560.8	560.	559.8	559.7	559.1	558.9
8	560.3	561.	561.3	562.1	561.8	563.2	564.	562.2	559.2	557.
9	563.1	559.	556.7	557.1	558.	558.4	558.7	560.2	561.2	561.2
10	562.9	562.9	563.1	563.1	563.1	562.3	562.9	562.7	562.6	563.6
11	563.5	563.6	563.5	563.1	562.7	563.9	565.6	565.8	565.5	563.3
13	572.7	571.5	569.5	572.1	571.8	569.2	570.8	568.9	569.	569.9
14	589.8	582.3	581.8	570.4	568.3	578.8	586.6	583.	574.	567.3
15	563.2	563.4	563.5	564.3	564.2	565.	565.6	568.2	566.8	563.
16	561.	561.	561.	561.5	561.5	561.7	561.8	561.6	561.8	561.9
17	564.1	564.5	563.9	563.9	564.	564.1	563.6	563.8	563.9	563.9
18	562.	562.5	563.7	563.	562.6	562.9	563.2	563.7	564.5	569.7
20	563.9	563.6	563.6	563.7	563.4	563.2	563.4	563.8	564.	563.8
21	563.5	563.	563.4	563.6	563.5	563.1	563.6	562.9	563.	563.1
22	599.4	600.	597.4	593.1	591.	586.8	583.9	577.6	575.3	570.3
23	566.2	565.1	566.9	568.4	568.5	569.4	567.5	565.3	565.1	565.1
24	566.5	567.1	564.9	564.7	565.3	566.2	569.	567.8	567.6	567.6
25	565.4	566.2	566.7	566.9	567.3	568.	567.	568.6	569.3	571.7
27	565.8	566.	565.4	565.5	565.5	564.9	565.2	565.4	565.8	565.1
28	564.4	563.7	564.3	563.7	563.2	565.6	566.6	565.9	565.3	564.9
29	564.9	565.7	566.8	566.5	566.7	565.3	566.4	565.4	565.9	565.6
30	579.7	582.7	583.2	582.3	580.8	580.4	578.5	577.7	576.3	575.4
Means	566.8	566.3	566.3	566.2	566.4	567.5	567.7	566.7	566.3	565.4

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	13 00	13 06	13 12	13 18	13 24	13 30	13 36	13 42	13 48	13 54
Observatory time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
June 1	575.6	575.2	575.	574.6	573.4	573.8	574.	574.2	574.	573.8
2	576.	575.1	576.5	576.4	575.4	577.1	577.6	575.5	576.1	577.
3	579.	579.2	578.	577.9	577.7	577.6	578.	578.1	577.2	576.5
4	578.6	579.	579.	578.	578.	576.9	577.	578.	577.	576.
6	574.6	573.8	573.8	572.7	572.6	571.3	572.2	572.5	572.7	573.2
7	575.5	576.	577.	577.5	576.	575.2	573.	574.	572.	570.8
8	570.6	570.	570.1	570.	670.	570.3	570.1	568.6	568.2	568.2
9	580.8	581.9	581.9	581.	582.	582.	578.2	579.6	578.5	578.2
10	584.3	584.7	585.	585.8	585.5	584.8	585.	585.	586.5	586.1
11	574.7	575.1	575.9	576.5	576.3	576.4	577.8	578.4	578.6	577.5
13	580.7	580.8	581.2	580.7	581.8	579.8	577.5	579.	575.7	573.3
14	559.7	560.2	561.3	562.6	562.9	565.6	567.7	569.4	571.7	572.1
15	570.	570.	570.	570.	570.	570.	570.	570.	570.5	571.1
16	573.	571.7	572.	573.2	573.	573.1	572.	571.	570.	570.
17	570.6	571.7	572.	572.	572.	572.	572.	572.	571.9	571.7
18	575.1	575.2	574.7	574.5	574.5	574.5	572.8	572.4	571.2	571.9
20	573.2	573.3	573.4	573.5	573.4	574.	574.4	574.7	574.7	574.8
21	571.1	572.	572.2	573.7	573.9	574.	573.9	574.	573.	573.1
22	574.8	575.	575.9	576.3	575.	574.6	574.1	574.	573.6	574.3
23	571.2	571.6	571.7	570.	569.6	569.2	570.3	569.3	569.1	570.4
24	567.6	568.	567.5	567.	567.	570.	568.1	566.7	569.	566.5
25	572.8	573.9	575.4	576.1	577.2	578.7	579.3	581.	580.9	580.7
27	573.9	575.6	575.	574.	574.8	575.2	574.5	573.6	573.6	573.5
28	577.	576.3	576.4	576.6	576.1	576.2	575.7	576.3	576.7	577.6
29	575.	575.8	576.2	576.	576.	576.	576.	576.	576.	576.4
30	575.	575.	575.	574.2	576.	575.2	575.	573.7	572.7	571.2
Means	574.2	574.5	574.7	574.6	574.6	574.7	574.5	574.5	574.3	574.1

Göttingen time Observatory time	h. m. 22 04 16 23½	Therm., Fah.	h. m. 22 10 16 29½	h. m. 22 16 16 35½	h. m. 22 22 16 41½	h. m. 22 28 16 47½	h. m. 22 34 16 53½	Therm., Fah.	h. m. 22 40 16 59½	h. m. 22 46 17 05½	h. m. 22 52 17 11½	h. m. 22 58 17 17½
June 1	661.	70.7	662.	663.1	664.6	666.1	667.3	71.3	668.7	670.	671.8	673.1
2	693.	73.7	696.9	700.	703.5	705.7	709.2	73.2	710.3	712.	713.7	715.2
3	672.5	70.7	673.	673.7	674.4	675.6	677.2	71.	677.6	678.6	679.	680.
4	.....	....	.....	.....	.....	.....	.....	69.5	654.	655.	652.7	652.
6	735.7	74.9	736.	736.3	737.	737.	738.2	75.2	738.7	739.8	740.	740.5
7	626.4	67.8	628.3	629.4	630.9	633.4	633.7	68.	634.5	636.	637.2	638.1
8	612.9	65.5	612.8	613.2	613.9	614.	614.7	65.5	615.4	616.	616.7	617.
9	697.7	72.2	699.7	701.8	702.7	702.5	702.1	72.4	701.8	701.5	702.	701.
10	770.3	77.8	771.9	772.6	773.7	774.2	776.4	77.8	776.2	777.	777.9	779.
11	582.1	63.8	583.7	585.	585.9	586.5	587.2	64.1	588.6	588.1	589.	589.2
13	683.	71.5	684.5	686.	687.1	688.2	688.6	71.9	690.1	690.4	691.4	692.8
14	699.3	72.2	700.8	702.6	704.4	706.2	708.5	72.4	708.6	709.	709.	708.4
15	753.2	74.7	753.8	754.6	759.	754.	755.1	74.5	755.7	754.2	758.	757.
16	808.	79.	808.9	809.4	810.	810.6	811.	78.9	811.5	811.5	812.3	813.
17	776.	76.3	775.6	775.7	776.	777.	778.	76.6	779.1	780.	781.	781.
18	810.3	79.	810.9	811.3	812.	812.8	812.5	78.8	812.7	813.	813.4	813.9
20	757.7	75.	758.4	758.9	759.1	759.2	760.1	75.3	760.6	761.	761.1	761.3
21	771.	78.	772.6	773.8	775.6	776.8	778.5	78.1	780.3	782.	782.5	784.
22	806.1	80.6	808.9	810.1	811.4	813.	814.4	80.9	815.9	817.	818.5	820.
23	796.8	78.2	796.5	795.6	795.1	795.2	795.1	78.2	795.	795.4	795.6	794.6
24	732.	75.5	733.1	734.7	736.	736.7	737.1	75.8	737.7	738.1	739.	740.3
25	753.3	76.	754.	754.5	755.	756.	756.1	76.	756.1	757.	757.3	757.5
27	813.4	79.2	814.1	814.6	814.1	814.2	814.3	78.5	813.7	813.1	813.2	813.
28	765.4	77.5	766.	767.1	768.1	769.9	771.	77.5	771.9	772.9	774.	775.
29	823.	81.	823.9	825.	826.1	827.2	828.1	81.2	829.1	830.	831.	831.8
30	864.5	84.4	865.5	866.9	869.	870.7	872.4	84.5	873.5	874.7	875.9	876.9
Means	738.6	75.	739.7	740.6	741.8	742.5	743.5	74.9	740.7	741.3	742.	742.5
Reduced to 32° Fah.	157.6		158.5	159.2	160.2	160.8	161.7		161.7	161.9	162.2	162.3

Göttingen time / Observatory time	h. m. 23 04 / 17 23½	Therm., Fah.	h. m. 23 10 / 17 29½	h. m. 23 16 / 17 35½	h. m. 23 22 / 17 41½	h. m. 23 28 / 17 47½	h. m. 23 34 / 17 53½	Therm., Fah.	h. m. 23 40 / 17 59½	h. m. 23 46 / 18 05½	h. m. 23 52 / 18 11½	h. m. 23 58 / 18 17½	Therm., Fah.
June 1	676.	71.7	677.	678.1	680.	681.	682.7	71.8	684.	687.	687.1	689.	72.
2	716.4	73.	717.2	718.5	720.8	720.7	721.1	72.6	722.	722.2	723.5	723.5	72.3
3	680.8	71.2	681.8	682.7	684.	685.5	686.8	71.2	688.	689.	690.5	692.	71.2
4	651.	69.6	651.	651.2	651.	650.	649.4	69.5	649.	648.	648.2	648.	69.5
6	738.7	75.7	741.2	743.2	744.	744.8	746.	75.7	746.5	747.5	748.5	749.7	75.7
7	639.	67.5	639.	638.8	638.	638.	637.9	67.4	637.9	637.6	638.	637.7	67.4
8	619.2	65.8	617.	618.5	618.	618.5	618.5	65.4	619.	618.9	619.1	619.4	65.
9	701.1	72.5	702.	703.	702.9	703.1	703.8	72.8	706.	707.	708 3	709.	73.1
10	781.	78.1	781.8	782.1	784.	785.	786.9	78.2	789.	788.	788.2	789.	78.4
11	590.1	65.5	591.	592.	593.	594.8	596.	65.3	597.	598.8	599.	600.5	64.8
13	693.	72.	695.	696.	696.6	697.1	697.1	72.	698.	697.9	697.3	695.5	72.
14	709.6	72.5	710.6	710.5	710.4	710.8	708.5	72.5	711.2	712.	713.	715.	72.5
15	755.6	74.3	755.	755.5	754.7	755.5	755.2	74.2	754.7	755.5	755.2	755.4	74.1
16	813.	78.8	813.5	814.	814.5	814.5	815.	78.8	815.	815.	816.	816.	78.7
17	781.4	75.9	782.	782.	782.1	782.	782.9	76.	782.8	783.	783.	783.2	76.
18	814.1	79.	814.1	814.1	814.9	815.	815.	79.	816.	816.	816.3	816.8	79.
20	761.9	75.2	762.	762.	762.1	762.	761.8	75.4	761.6	761.4	762.5	762.	75.6
21	785.	78 2	786.1	787.	787.9	789.	789.	78.1	790.	791.	792.	792.7	78.
22	821.8	81.	823.	824.	825.	826.1	827.7	81.2	828.1	829.	830.	831.7	81.1
23	795.	78.2	794.	793.3	794.	794.9	796.	77.9	796.	796.5	795.5	795.3	77.5
24	741.5	76.2	742.4	744.	745.	746.1	748.	76.3	749.2	750.8	751.	752.	76.4
25	757.8	76.1	757.8	758.1	758.6	759.	760.	76.	760.6	760.8	761.	762.	76.
27	812.4	78.2	811.1	810.	809.5	809.	808.	78.	807.	805.7	806.9	806.5	77.8
28	777.2	78	778.2	780.	780.3	781.9	782.8	78.3	783.8	784.9	786.	786.9	78.5
29	832.5	81.5	833.1	834.	835.	835.5	836.8	81.5	836.9	839.	839.	840.	81.5
30	877.6	84.4	878.3	879.	878.8	880.	880.3	84.2	880.6	881.2	881.5	882.	84.
Means	743.1	75.	743.7	744.3	744.8	745.4	745.9	75.	746.5	747.1	747.6	748.1	74.9
Reduced to 32° Fah.	162.6		163.3	163.9	164.5	165.2	165.8		166.5	167.3	168.	168.7	

Göttingen time Observatory time	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
June 1	595.2	62.2	594.5	593.9	592.4	592.2	592.	62.3	591.7	591.	591.1	591.1
2	608.7	63.	609.2	608.6	608.	608.	608.	63.2	608.	608.9	608.6	608.9
3	599.	62.	598.5	598.5	598.6	597.6	597.5	62.2	597.	596.2	597.	596.9
4	639.	65.3	638.5	638.	637.7	636.7	636.5	65.1	636.2	635.	635.	635.
6	731.3	71.3	731.1	728.4	726.7	725.4	724.5	71.3	722.7	722.6	721.1	719.7
7	598.7	62.5	598.	597.5	598.7	597.4	596.5	62.4	595.7	595.2	588.5	587.6
8	539.6	59.	538.6	539.6	538.7	538.6	538.5	59.	538.	538.	538.	538.
9	610.	63.9	610.1	609.4	609.	609.2	609.2	63.9	609.3	609.9	610.7	610.
10	720.9	70.8	720.3	719.8	719.7	718.8	717.7	70.8	717.3	716.9	715.6	715.5
11	616.	63.2	615.9	615.8	615.	613.8	610.3	62.6	609.7	607.6	607.	606.2
13	572.9	61.	572.9	572.8	572.7	572.5	572.4	61.	572.1	572.	572.	572.
14	701.5	69.	701.2	699.4	697.8	697.7	697.	69.	695.9	695.7	695.5	695.4
15	703.	69.8	702.4	702.	702.	702.	702.	70.	700.6	700.4	700.1	700.
16	727.	71.9	727.	726.5	726.5	727.	725.1	72.2	726.	726.	725.	725.2
17	776.7	75.	776.4	776.2	775.6	775.7	774.9	75.	774.7	773.8	770.3	772.8
18	753.5	73.8	753.1	753.	753.	752.8	752.5	73.9	752.2	751.7	751.6	751.6
20	760.6	74.6	760.4	760.	759.7	758.7	758.	74.3	757.4	757.2	756.7	756.5
21	716.	71.6	716.2	716.	715.9	715.2	715.	71.7	715.	715.	715.	715.
22	729.4	72.3	729.4	729.2	728.3	726.	725.7	72.5	725.	724.7	725.3	725.7
23	775.3	76.2	774.8	772.7	773.3	773.3	772.7	76.4	772.	772.6	772.2	772.3
24	715.2	70.3	714.	712.	710.6	709.6	709.7	70.3	707.	706.9	707.	705.
25	703.1	70.7	703.	703.	703.	703.	703.	70.7	703.	702.3	701.4	700.5
27	735.	73.7	735.	735.	735.	736.1	737.	73.8	737.5	737.6	737.7	737.8
28	720.	71.6	720.5	720.	720.	719.9	718.4	71.5	717.5	716.2	716.	715.
29	752.2	74.	753.	753.	752.	752.	752.	74.3	752.	752.	752.	752.
30	756.	74.	756.	756.	756.	755.	755.	74.4	755.	755.	755.5	756.
Means	686.8	68.9	686.5	686.	685.6	685.2	684.7	69.	684.2	683.9	683.3	683.1
Reduced to 32° Fah.	188.		187.6	187.	186.4	185.9	185.2		184.5	184.	183.1	182.7

Göttingen time Observatory time	h. m. 13 34 7 53½	Therm., Fah.	h. m. 13 40 7 59½	h. m. 13 46 8 05½	h. m. 13 52 8 11½	h. m. 13 58 8 17½	h. m. 14 04 8 23½	Therm., Fah.	h. m. 14 10 8 29½	h. m. 14 16 8 35½	h. m. 14 22 8 41½	h. m. 14 28 8 47½	Therm., Fah.
June 1	591.2	62.4	591.2	591.2	591.4	591.7	592.6	62.7	591.8	592.1	592.5	593.	63.
2	609.1	63.3	609.	609.7	610.	610.	610.1	63.4	610.8	610.2	611.	612.2	63.9
3	597.	62.5	598.	598.1	598.	598.	598.	62.8	599.	599.5	600.	600.8	63.2
4	634.7	65.1	634.5	634.2	634.	634.9	634.8	65.2	635.	635.	635.	635.	65.2
6	719.	71.4	718.5	717.6	716.3	715.	715.	71.4	715.	714.9	715.1	716.6	71.6
7	586.	62.3	586.4	585.7	585.4	585.	585.	62.4	585.	584.5	585.	584.3	62.4
8	538.	59.	538.5	537.7	538.	537.6	538.9	59.	539.7	540.	540.	540.	59.
9	609.5	63.8	614.2	610.4	610.1	608.9	609.4	64.2	610.1	610.7	610.9	611.	64.4
10	715.	70.8	714.6	714.6	714.5	713.6	713.4	70.8	714.1	714.6	714.7	715.	70.8
11	604.6	62.4	603.6	603.2	602.7	599.7	598.5	62.2	598.	596.6	596.	595.2	62.
13	572.1	61.4	572.	572.	572.	572.3	572.7	61.7	574.8	575.9	576.8	579.	62.5
14	695.	69.	695.	695.	693.3	692.7	691.3	69.3	690.5	690.1	690.	689.8	69.3
15	699.9	70.	699.6	699.3	699.2	699.	698.9	70.1	698.8	698.5	698.3	697.9	70.3
16	724.4	72.5	725.	724.9	725.	725.2	725.1	72.6	725.5	725.5	725.6	726.	72.9
17	774.6	75.	774.8	776.6	776.8	775.8	776.4	75.2	776.	776.	775.4	775.2	75.2
18	751.4	74.	751.2	751.5	752.	751.5	751.6	74.3	751.1	751.3	751.5	752.	74.5
20	756.4	74.2	756.	754.6	754.7	753.3	752.6	74.2	752.1	751.4	750.6	750.6	74.
21	715.	71.9	715.	715.	715.	715.	715.	72.	716.	716.	716.	716.	72.
22	725.5	72.6	725.7	726.	726.2	726.	725.8	73.	726.3	726.4	726.5	726.6	73.2
23	772.3	76.4	772.	772.	772.7	773.	773.	76.5	773.2	773.6	774.	775.	76.7
24	704.9	70.3	704.	704.	704.	706.9	706.7	70.2	700.2	699.7	698.7	697.3	70.2
25	700.5	70.7	700.	700.	700.	699.	698.8	70.8	699.	699.5	700.	700.	71.
27	738.1	74.2	738.2	739.	740.7	741.8	741.9	74.3	742.2	742.7	743.9	744.5	74.5
28	715.	71.4	715.	715.	714.	713.6	713.	71.4	712.3	711.4	711.2	711.4	71.3
29	752.	74.6	752.	751.	751.	751.	751.2	75.	751.2	751.9	752.	752.1	75.3
30	756.	74.8	756.	757.	757.	758.	759.5	75.3	759.8	760.	761.	762.	75.8
Means	683.	69.1	683.1	682.9	682.9	682.6	682.7	69.2	682.6	682.6	682.8	683.	69.4
Reduced to 32° Fah.	182.4		182.1	181.5	181.1	180.4	180.1		180.4	178.8	178.4	178.1	

Göttingen time Observatory time	h. m. 11 32 5 51½	Therm., Fah.	h. m. 11 38 5 57½	h. m. 11 44 6 03½	h. m. 11 50 6 09½	h. m. 11 56 6 15½	h. m. 12 02 6 21½	Therm., Fah.	h. m. 12 08 6 27½	h. m. 12 14 6 33½	h. m. 12 20 6 39½	h. m. 12 26 6 45½	Therm., Fah.
June 1	608.6	61.8	610.1	601.2	609.6	610.6	612.2	61.7	611.5	610.9	609.7	609.3	61.7
2	619.6	62.3	619.3	618.5	618.1	618.	620.4	62.2	620.6	620.7	622.5	622.7	62.4
3	618.	61.7	618.	619.5	620.8	621.7	622.	61.7	623.7	624.5	624.5	625.7	61.7
4	624.4	64.6	625.6	626.5	627.4	628.	630.2	64.6	630.	630.2	630.9	631.5	64.5
6	672.	71.5	670.5	668.7	668.9	670.6	671.3	71.	671.4	672.6	676.5	677.8	70.6
7	644.1	61.7	646.	644.3	642.7	642.7	641.6	61.5	641.2	640.1	639.3	640.1	61.5
8	622.5	57.8	622.3	622.	622.	623.4	625.8	57.7	627.2	627.7	628.2	630.9	57.8
9	629.4	63.4	629.	623.	623.5	619.7	621.5	63.5	617.2	614.7	609.8	609.4	63.5
10	602.7	70.8	601.7	598.8	596.6	595.4	595.8	70.7	596.4	596.7	599.2	600.3	70.5
11	628.7	62.4	628.5	627 8	627.7	627.5	627.2	62.3	627.	627.	626.7	627.2	61.6
13	618.2	60.4	617.	616.3	616.8	617.	617.	60.5	617.5	617.7	617.	617.2	60.4
14	685.4	68.6	684.6	684.	683.7	683.5	684.3	68.5	686.2	686.4	689.	693.2	68.4
15	672.3	69.3	671.5	671.1	669.8	667.9	668.2	69.3	668.4	668.9	670.	671.7	69.3
16	667.7	71.5	670.2	670.	668.5	670.6	669.	71.4	667.	665.9	665.4	666.	71.3
17	670.2	74.7	670.6	671.6	672.1	673.5	673.8	74.7	674.6	675.5	674.9	674.2	74.7
18	656.8	73.3	656.3	655.8	655.7	654.	653.	73.2	653.3	653.7	654.3	656.3	73.3
20	684.8	74.	684.8	684.8	684.8	684.	683.7	73.8	683.7	683.4	683.	683.	73.7
21	658.5	70.8	657.4	656.2	656.	656.	655.8	71.	656.	655.5	655.	655.1	71.2
22	660.8	71.7	660.1	659.8	659.	658.4	659.3	71.6	663.4	665.4	663.5	662.3	71.7
23	672.3	75.4	670.1	669.8	669.5	669.3	671.3	75.5	678.3	681.1	676.5	671.7	75.3
24	674.4	70.	679.7	677.2	660.2	657.5	658.7	69.3	656.7	662.2	669.7	672.	69.
25	660.	70.3	659.4	659.3	658.5	656.7	654.9	70.5	654.3	652.4	654.6	655.9	70.2
27	668.2	73.3	668.	668.	668.	668.	668.	73.5	668.1	668.3	668.7	669.7	73.6
28	663.3	71.	662.2	661.1	660.4	660.6	659.2	70.7	659.	658.4	657.5	658.4	70.5
29	658.6	73.1	658.	657.7	656.1	656.	655.	73.4	654.	653.6	653.4	652.6	73.8
30	670.2	73.5	669.2	668.8	667.	667.	664.	73.5	668.2	665.9	666.5	667.2	73.5
Means	650.4	68.4	650.1	649.2	648.5	648.4	648.6	68.4	649.	649.2	649.5	650.1	68.3
Reduced to 32° Fah	555.7		555.4	554.6	553.9	553.9	554.1		554.5	554.7	555.1	555.7	

Göttingen time..... Observatory time.....	h. m. 21 02 15 21½	Therm., Fah.	h. m. 21 08 15 27½	h. m. 21 14 15 33½	h. m. 21 20 15 39½	h. m. 21 26 15 45½	h. m. 21 32 15 51½	Therm., Fah.	h. m. 21 38 15 57½	h. m. 21 44 16 03½	h. m. 21 50 16 09½	h. m. 21 56 16 15½
June 1.....	626.6	68.6	636.5	639.4	644.8	644.5	645.3	69.3	649.4	645.8	650.6	648.8
2.....	637.5	70.	643.	644.8	650.3	643.3	644.2	70.7	649.4	647.	645.7	646.
3.....	664.1	69.2	662 5	663.4	660.3	660.3	660.5	69.8	659.3	658.3	661.4	658.4
4.....	665.	69.1	646.5	641.7	642.2	.....	643 5	69.1	636.7	605.	595.	594.
6.....	665.1	73.5	662.5	659.7	656.2	661.8	664.9	73.9	661.8	661.5	659.	656.4
7.....	633.9	64.7	633.	630.7	630.9	627.6	624.	65.3	624.	624.	625.	626.7
8.....	616.9	64.7	623.6	626.9	624.7	628.2	633.3	64.9	633.	628.4	626.2	625.9
9.....	660.7	69.9	661.4	649.5	656.7	665.2	652.9	70.	623.9	631.2	627.2	648.3
10.....	668.2	76.	668.6	665.1	667.6	665.3	666.9	76.5	667.5	668.7	668.6	667.5
11.....	624.1	60.5	623.6	618.9	614.8	611.	611.	61.	610.	611.3	612.2	615.3
13.....	656.2	70.4	651.7	653.7	647.	647.3	648.5	71.1	650.	642 8	639.3	640.1
14.....	675.	71.	670.	673 8	689.	684.7	673.1	71.2	663.	652.4	638.8	645.
15.....	.....	74.3	656.5	658.2	652.8	658.8	655.7	74.5	658.8	658.9	665.5	662.
16.....	660.	78.2	660.9	660.9	663.2	664.3	667.8	78.5	669.5	668.	669.4	668.2
17.....	661.9	75.3	662.	658.9	657.2	658.7	659.6	75.3	660.7	658.	658.	657.9
18.....	649.4	78.7	655.6	658.	651.5	652.2	658.2	79.	662.5	658.6	653.4	650.
20.....	658 9	74.2	660.6	663.	661.	659.2	658.2	74.7	665.8	663.4	660.6	665.7
21.....	664.7	76.1	663.4	663.4	662.6	662.3	662.2	76.9	663.	667.9	667.2	666.8
22.....	653.8	78.8	648.8	646.1	649.	658.	658.	79.5	651.	646.7	647.1	650.7
23.....	691.4	77.8	694.2	689.	687.7	684.4	678.7	77.8	673.7	663.	667.1	663.5
24.....	658.9	73.4	661.7	663.8	662.2	659.7	663.3	74.	669.3	671.8	675.5	669.3
25.....	654.8	75.5	657.2	660.6	662.	666.3	674.7	75.8	679.2	682.	680.6	678.
27.....	678.2	78.6	676.	673.5	677.6	675.8	676.3	78.7	680.2	681.	681.3	681.
28.....	666.5	76.2	668.1	668.4	668.3	669.6	670.1	76.8	671.	672.	673.5	676.
29.....	672.3	79.8	672.9	675.7	674.5	677.5	680.8	80.2	680.6	678.3	678.4	681.5
30.....	696.5	83.	689.7	680.8	682.7	683.9	699.9	84.	689.4	684.	688.	692.4
Means.....	658.4	73.4	658.1	657.2	657.6	658.8	658.9	73.8	657.8	655.	654.4	655.2
Reduced to 32° Fah...	550.9		550.3	549.2	549.4	549.9	550.3		549.	546.	545.2	545.8

Göttingen time / Observatory time	h. m. 22 02 / 16 21½	Therm., Fah.	h. m. 22 08 / 16 27½	h. m. 22 14 / 16 33½	h. m. 22 20 / 16 39½	h. m. 22 26 / 16 45½	h. m. 22 32 / 16 51½	Therm., Fah.	h. m. 22 38 / 16 57½	h. m. 22 44 / 17 03½	h. m. 22 50 / 17 09½	h. m. 22 56 / 17 15½	Therm., Fah.
June 1	648.4	70.	647.2	645.5	646.6	651.8	649.2	70.5	651.6	650.2	648.5	645.7	71.
2	649.3	71.3	641.7	647.1	648.7	649.5	647.9	71.8	649.	647.2	649.3	647.2	72.3
3	657.3	70.4	651.	651.1	657.3	659.	663.1	70.8	658.	653.3	649.	645.8	71.2
4	593.9	69.2	573.3	561.2	544.1	560.	571.4	69.	573.7	599.	611.5	613.	69.
6	656.	74.3	659.6	658.5	658.7	659.	658.4	74.8	661.6	660.7	658.5	659.	75.2
7	626.5	65.8	627.2	629.5	632.6	635.2	631.5	66.	637.4	643.7	645.	646.6	66.2
8	628.4	65.1	632.	632.7	632.4	632.1	635.	65.2	637.9	637.	639.	641.	65.3
9	658.4	71.2	668.6	679.5	680.2	659.1	654.4	71.8	653.9	656.9	650.	633.2	72.3
10	665.	76.8	665.7	663.1	658.1	659.1	663.	77.2	657.7	654.3	658.	661.	77.6
11	619.2	61.7	621.	619.	616.5	616.2	616.4	62.2	616.7	616.	616.7	615.7	62.7
13	644.3	71.8	643.	647.6	645.3	643.3	647.4	72.3	644.6	645.	638.5	644.5	72.8
14	648.8	71.4	655.7	664.5	673.8	669.3	673.	71.9	669.3	662.5	666.3	667.6	72.3
15	664.3	74.5	670.2	669.7	671.3	674.5	677.1	74.4	677.6	677.7	674.9	674.5	74.3
16	671.2	78.8	672.	674.5	675.5	676.5	676.2	78.8	678.	679.	680.5	678.2	78.8
17	658.	75.5	657.4	657.8	658.6	660.4	659.8	75.6	663.6	665.7	665.4	664.1	75.7
18	654.	79.	660.2	664.	666.9	665.7	662.	78.9	660.7	663.2	666.2	666.5	78.8
20	665.9	75.	668.8	665.1	665.4	666.6	670.	75.	666.9	667.2	671.7	667.7	75.
21	664.2	77.4	665.4	667.3	666.2	660.3	671.6	77.9	671.9	671.3	670.7	673.6	78.3
22	646.3	80.1	646.4	637.6	637.1	635.2	632.3	80.4	634.8	631.	644.5	647.1	81.
23	660.4	77.8	663.1	665.	668.2	682.6	680.8	77.8	676.4	681.	690.8	688.7	77.8
24	667.1	74.7	663.7	670.	668.4	652.8	656.8	75.2	650.6	646.7	651.	651.8	75.7
25	677.5	76.	677.5	678.8	678.5	677.5	682.4	76.	669.1	666.4	666.2	663.6	76.
27	679.1	78.5	680.2	677.5	676.2	674.1	673.6	78.	679.7	683.9	680.6	682.2	77.6
28	676.2	77.	676.5	678.1	678.5	679.5	678.8	77.4	679.5	679.5	682.1	680.9	77.7
29	685.8	80.7	682.	684.4	685.3	681.	681.1	81.4	683.4	685.6	686.7	684.4	82.
30	693.8	84.5	688.4	692.1	698.	702.4	702.2	84.8	704.	703.1	704	706.5	85.
Means	656.1	74.2	656.2	657.	657.2	657.	658.4	74.4	658.	658.7	660.2	659.6	74.7
Reduced to 32° Fah.	546.5		546.4	547.1	547.1	546.8	548.1		547.5	548.	549.3	548.6	

Göttingen time Observatory time	h. m. 1 02 19 21½	Therm., Fah.	h. m. 1 08 19 27½	h. m. 1 14 19 33½	h. m. 1 20 19 39½	h. m. 1 26 19 45½	h. m. 1 32 19 51½	Therm., Fah.	h. m. 1 38 19 57½	h. m. 1 44 20 03½	h. m. 1 50 20 09½	h. m. 1 56 20 15½
June 1	.....	72.7	641.3	643.3	643.1	639.2	640.3	72.1	641.4	643.3	647.	650.4
2	642.9	71.6	645.5	647.4	647.7	645.4	643.	71.3	641.9	638.5	644.6	647.3
3	648.6	71.2	648.5	650.7	651.5	651.3	650.6	70.8	650.4	650.6	651.	650.5
4	655.8	69.5	684.	693.6	700.6	710.2	729.	69.5	723.4	728.3	725.1	717.4
6	685.5	74.8	683.8	680.	670.5	664.5	662.3	74.4	668.2	676.9	668.6	673.7
7	652.	66.	652.	650.6	646.2	646.	643.7	65.6	644.2	645.8	647.2	646.
8	644.5	65.	643.8	643.2	642.5	641.6	643.9	65.	648.4	645.	648.7	651.
9	679.3	73.7	660.9	658.	661.	667.5	672.	73.6	678.6	683.3	681.	682.4
10	678.8	77.7	677.5	678.4	679.	679.	679.1	77.	678.	675.2	675.9	675.5
11	628.1	64.	629.4	630.7	637.2	635.2	636.7	64.	635.9	633.5	629.2	631.5
13	706.4	72.8	712.6	710.7	712.7	715.1	713.6	72.5	706.2	698.2	699.2	693.3
14	673.3	71.8	673.1	670.5	667.	664.1	666.8	71.8	666.1	665.	663.8	663.7
15	676.	73.5	676.	669.5	671.2	672.	671.7	73.5	670.6	667.4	664.6	663.
16	684.2	78.5	684.3	684.	685.5	685.6	685.2	78.2	685.	685.	685.1	685.5
17	665.3	75.6	665.9	665.8	667.2	668.	666.7	75.5	668.4	669.7	668.5	667.1
18	681.2	78.8	678.9	680.3	678.9	678.4	674.	78.5	677.4	677.1	679.	681.3
20	.....	75.	685.7	685.	685.	685.8	684.9	75.	684.2	684.	684.3	684.2
21	.....	77.8	671.	671.2	672.8	675.5	673.4	77.4	673.4	674.2	677.1	675.2
22	625.4	81.4	646.7	651.9	665.4	664.7	661.	81.	665.4	653.2	654.	650.5
23	676.9	75.9	678.2	677.7	679.1	677.2	674.7	75.3	674.1	675.	674.9	675.3
24	689.	76.	684.1	690.1	688.5	682.	685.5	75.5	687.1	690.	682.7	680.7
25	674.4	75.5	672.2	678.5	682.	680.2	674.3	75.	661.4	657.1	655.9	666.5
27	678.6	76.9	682.1	682.2	674.7	677.8	680.1	76.7	680.6	680.9	680.5	679.4
28	683.4	78.8	684.7	684.	682.4	683.	684.1	78.6	682.7	683.	685.7	685.
29	689.6	82.1	687.	687.8	690.	689.9	690.5	82.	692.8	692.8	692.4	689.7
30	701.7	83.5	703.	700.5	700.	697.8	695.7	83.	696.	689.	685.8	687.
Means	670.4	74.6	671.2	671.8	672.4	672.2	672.4	74.3	672.4	671.6	671.2	671.3
Reduced to 32° Fah.	560.		560.5	561.3	562.	562.	562.3		562.5	561.9	561.7	562.

Göttingen time Observatory time	h. m. 2 02 20 21½	Therm., Fah.	h. m. 2 08 20 27½	h. m. 2 14 20 33½	h. m. 2 20 20 39½	h. m. 2 26 20 45½	h. m. 2 32 20 51½	Therm., Fah.	h. m. 2 38 20 57½	h. m. 2 44 21 03½	h. m. 2 50 21 09½	h. m. 2 56 21 15½	Therm., Fah.
June 1	645.5	71.5	650.2	650.3	645.5	641.9	634.	71.2	628.7	632.4	633.5	629.5	71.
2	649.2	70.7	654.7	653.8	654.2	658.6	652.	70.5	637.6	636.1	633.	638.	70.3
3	649.5	70.5	647.1	645.7	645.6	645.9	645.2	70.1	644.5	644.8	645.3	645.2	69.8
4	715.8	69.5	738.8	740.2	708.9	677.1	634.5	69.5	601.7	640.2	712.5	717.7	69.5
6	678.1	74.	682.8	684.8	685.7	687.2	688.8	73.4	695.	696.	696.8	691.9	73.
7	644.7	65.2	645.	644.7	642.7	643.2	641.6	64.8	642.	.....	643.	642.7	64.4
8	652.3	65.	653.3	649.	645.3	645.8	648.2	65.	654.5	651.7	650.9	649.8	65.
9	684.7	73.5	689.2	679.5	677.1	677.7	674.5	73.4	671.9	664.8	660.9	649.8	73.3
10	67 .1	76.3	675.	675.8	675.6	677.	678.2	75.6	678.6	678.2	676.3	677.9	75.
11	625.4	63.3	629.3	627.5	621.5	613.9	609.9	62.7	614.	615.3	618.9	621.9	62.
13	686.6	72.3	689.3	686.4	682.6	680.2	678.6	72.1	675.7	672.5	674.5	674.5	71.9
14	663.7	71.8	660.4	656.7	658.5	662.5	671.5	71.8	683.7	687.6	685.6	682.8	71.8
15	663.7	73.	664.3	671.1	671.1	665.1	666.4	73.	667.1	668.	667.6	666.	73.
16	685.3	78.1	685.8	686.1	686.6	686.6	685.8	78.	685.8	686.1	686.	685.7	78.
17	666.6	75.4	667.5	668.2	668.9	668.	666.8	75.3	667.2	667.3	667.9	667.	75.2
18	680.	78.1	680.2	681.	682.2	681.8	682.	77.8	681.1	681.9	681.4	682.9	77.6
20	686.	75.	685.4	685.2	684.1	683.6	683.5	75.	682.4	681.9	680.8	681.	75.
21	676.6	76.8	676.6	674.7	675.	676.8	670.6	76.3	672.1	671.9	671.6	675.4	75.8
22	654.3	80.2	664.2	674.7	682.7	676.2	672.9	79.7	684.1	673.2	664.7	664.2	79.1
23	672.6	75.6	671.3	671.1	670.	666.2	662.3	74.7	666.8	666.6	672.6	675.5	74.4
24	678.5	74.7	676.1	669.	670.	666.5	669.5	74.	680.5	689.8	689.8	687.8	73.4
25	662.8	74.8	660.8	663.3	668.3	671.1	674.7	74.6	677.8	676.8	673.4	674.	74.4
27	679.2	76.5	681.3	681.4	678.7	686.7	678.	76.3	678.9	678.6	679.5	680.4	76.1
28	683.8	78.4	683.	683.	682.9	685.3	686.1	78.2	686.6	687.6	686.3	685.5	78.
29	688.5	82.	687.7	687.2	685.8	685.6	686.3	82.	685.2	685.5	681.1	675.5	82.
30	698.5	82.8	693.7	686.9	688.1	685.4	685.9	82.6	686.7	694.	699.7	688.5	82.4
Means	671.	74.	672.8	672.2	670.7	669.1	666.6	73.7	666.6	669.1	670.5	669.8	73.5
Reduced to 32° Fah.	561.8		563.7	563.3	562.	560.5	558.1		558.3	559.9	562.5	561.9	

Göttingen time	h. m. 15 32	Therm., Fah.	h. m. 15 38	h. m. 15 44	h. m. 15 50	h. m. 15 56	h. m. 16 02	Therm., Fah.	h. m. 16 08	h. m. 16 14	h. m. 16 20	h. m. 16 26
Observatory time	9 51½		9 57½	10 03½	10 09½	10 15½	10 21½		10 27½	10 33½	10 39½	10 45½
June 1	630.5	63.4	630.9	631.7	633.5	634.	636.	63.8	638.4	637.1	637.1	636.1
2	637.1	64.4	636.6	630.	627.5	625.8	623.4	64.7	621.5	621.1	624.9	624.2
3	672.4	63.5	672.	672.3	672.7	671.2	671.7	64.	670 5	671.7	671.2	666.
4	.....	64.7	657.5	657.3	646.6	650.5	646.5	65.	644.	641.7	655.	647.8
6	701.2	70.3	699.1	703.4	706.	708.	705.5	70.5	705.6	705.8	705.1	706.4
7	660.2	61.4	658.4	657.	656.5	659.2	660.2	61.5	659.2	655.9	656.	661.9
8	640.6	58.5	639.2	638.7	638.7	638.	639.5	59.	639.	640.4	640.5	642.1
9	634.6	64.3	635.8	.....	640.1	642.7	648.4	64.6	647.3	645.7	647.5	645.3
10	656.2	71.3	669.5	665.	673.7	664.	676.2	71.5	677.5	672.4	672.2	672.8
11	655.	59.2	656.	655.8	656.7	658.1	658.3	59.	657.9	658.5	656.6	658.1
13	643.1	63.5	644.2	649.1	648.6	643.4	647.7	63.9	641.3	632.3	635.	638.6
14	681.5	68.4	683 7	683.9	696.6	698.3	688.7	68.7	681.	675.4	678.6	681.9
15	665.9	70.2	663.5	665.2	667.8	673.2	668.	70.7	670.7	672.3	672.4	671.9
16	678.5	73.	680.2	681.1	681.	679.4	681.	73.5	680.1	680.	679.6	680.
17	689.	74.5	688.6	686.7	686.1	684.	681.4	74.5	680.7	682.5	684.	685.
18	671.	74.4	672.1	672.	674.7	675.6	677.	74.6	678.6	678.7	679.7	681.9
20	684.4	72.9	684.7	686.1	686.3	687.6	689.2	73.	688.9	689.8	690.2	690.
21	688.1	72.	688.9	689.	689.7	690.2	688.2	72.2	688.	686.4	686.1	683.9
22	690.2	73.2	690.9	691.9	691.6	693.7	696.9	73.7	700.	695.5	691.8	690.6
23	684.3	76.2	684.	685.	687.	684.5	686.1	76.3	684.6	686.	686.6	685.6
24	684.2	69.	690.4	691.9	690.1	687.7	695.6	69.1	701.2	694.4	696.4	690.2
25	668.1	71.6	667.5	669.5	673.	680.8	675.1	72.	677.4	670.1	671.8	673.1
27	686.5	75.	683 7	682.7	686.9	688.3	688.1	75.3	690.7	691.	689.2	691.8
28	679.6	70.8	680.	680.9	680.2	680.8	681.7	71.	681.8	684.4	686.	687.6
29	692.	75.5	692.5	693.2	693.2	692.2	692.1	75.9	691.	690.8	690.2	689.3
30	710.6	76.5	711.8	713.3	718.5	716.4	714.7	77.1	714.4	714.	714.	715.2
Means	671.4	69.1	671.6	673.3	673.2	673.4	673.8	69.4	673.5	672.1	673.	673.
Reduced to 32° Fah.	574.9		574.9	576.6	576.2	576.3	576.5		576.	574.4	575.1	574.9

Göttingen time / Observatory time	h. m. 16 32 / 10 51½	Therm., Fah.	h. m. 16 38 / 10 57½	h. m. 16 44 / 11 03½	h. m. 16 50 / 11 09½	h. m. 16 56 / 11 15½	h. m. 17 02 / 11 21½	Therm., Fah.	h. m. 17 08 / 11 27½	h. m. 17 14 / 11 33½	h. m. 17 20 / 11 39½	h. m. 17 26 / 11 45½	Therm., Fah.
June 1	637.	64.1	639.7	640.	639.5	639.8	641.2	64.5	641.	641.	641.3	644.2	64.9
2	625.3	65.2	626.3	629.3	629.4	629.7	629.8	65.7	631.	634.8	632.9	630.9	66.1
3	665.4	64.6	664.5	665.	664.	661.1	658.9	65.2	658.5	657.8	657.6	658.7	65.5
4	642.4	65.3	631.2	625.7	635.1	629.8	630.	65.6	628.8	625.2	626.1	623.1	65.8
6	707.	70.9	705.5	704.3	700.2	698.	699.1	71.2	699.	697.	695.5	693.8	71.5
7	668.	61.6	663.1	663.8	661.	654.6	653.7	61.7	652.6	652.1	652.2	654.	61.8
8	641.	59.5	642.8	647.3	640.5	640.5	641.8	60.1	640.5	637.8	635.5	635.5	60.5
9	645.1	65.	646.6	648.2	647.8	648.1	649.4	65.3	651.7	654.	652.3	652.3	65.6
10	667.1	72.	665.4	666.6	673.1	680.8	674.8	72.4	674.7	682.5	684.	677.6	72.6
11	657.5	58.9	657.5	656.5	655.	657.5	657.3	58.9	658.1	657.2	656.7	657.6	58.9
13	637.6	64.5	635.5	631.4	632.	638.9	637.	65.2	643.	639.4	629.7	633.3	65.7
14	683.6	68.9	691.9	698.	702.	706.6	700.	69.1	704.6	703.	703.	699.	69.2
15	673.5	71.3	674.5	672.	670.6	670.	671.	71.7	670.8	671.	670.	673.	72.1
16	682.7	74.2	684.4	684.1	683.2	680.7	680.7	74.7	678.7	678.5	679.7	677.7	75.1
17	685.2	74.7	684.4	684.7	683.2	682.7	683.	74.8	683.9	679.1	679.	679.	75.
18	683.2	75.	681.	681.1	681.8	681.1	681.4	75.1	683.4	681.7	681.2	680.8	75.7
20	689.	73.	689.	687.3	686.2	686.	685.4	73.	683.5	682.8	681.7	681.	73.
21	684.5	72.4	687.8	684.5	683.7	680.4	677.4	72.8	679.8	678.7	679.	677.8	73.
22	690.9	74.2	692.1	696.8	695.2	697.4	695.8	74.6	697.7	697.3	690.5	691.	75.
23	685.	76.5	686.	687.2	686.6	685.6	686.	76.7	681.4	693.5	683.8	682.7	77.
24	690.2	69.5	692.2	693.5	689.3	681.5	686.7	69.9	689.6	688.	686.7	682.5	70.2
25	670.2	72.5	668.3	679.4	671.6	672.	674.4	72.9	678.2	678.6	676.8	678.9	73.2
27	691.6	75.9	693.9	696.9	699.	698.2	693.2	76.5	695.9	697.5	694.	686.9	76.8
28	688.	71.4	688.8	690.9	693.4	691.	692.	71.8	692.2	693.	692.6	694.	72.2
29	688.	76.3	686.3	686.	685.1	685.1	684.1	76.6	683.6	684.8	684.9	685.2	77.
30	713.9	78.	713.1	710.5	710.5	710.1	708.5	78.7	704.4	701.9	701.6	702.7	79.3
Means	672.8	69.8	672.8	673.5	673.	672.6	672.	70.2	672.6	672.6	671.1	670.5	70.5
Reduced to 32° Fah.	574.5		574.3	574.8	574.2	573.6	573.		573.3	573.1	571.4	570.6	

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

EXTRAORDINARY MAGNETIC OBSERVATIONS.

MAXIMA AND MINIMA,

FROM JULY TO DECEMBER, 1842.

GENERAL NOTE.

The observations are the same as in January, 1842.

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 6 06 / 0 25½	h. m. 6 12 / 0 31½	h. m. 6 18 / 0 37½	h. m. 6 24 / 0 43½	h. m. 6 30 / 0 49½	h. m. 6 36 / 0 55½	h. m. 6 42 / 1 01½	h. m. 6 48 / 1 07½	h. m. 6 54 / 1 13½
July 1	576.1	578.2	564.9	563.	561.8	564.3	561.6	558.8	559.2	561.2
2	597.8	595.8	591.2	583.	576.9	572.7	564.5	553.6	543.2	565.9
4	608.2	596.8	597.7	596.1	587.5	613.9	607.7	582.	570.5	576.3
5	565.7	566.1	565.1	562.3	560.9	559.8	559.8	560.	559.4	560.2
6	570.8	567.2	566.8	568.4	568.	568.	568.1	567.9	568.	564.1
7	565.1	564.1	562.6	561.9	561.8	562.	563.3	561.3	561.6	560.4
8	563.7	563.5	563.7	563.6	563.9	564.1	564.1	564.2	564.3	564.2
9	580.3	582.	582.8	582.4	579.2	577.6	591.	600.2	595.9	594.3
11	563.9	563.6	563.4	563.3	563.7	563.1	563.	563 3	563.1	563.4
12	565.1	565.9	566.4	566.9	567.9	568.2	567.9	567.2	567.	566.6
13	564.7	565.	564.9	564.9	563.9	563.8	563.5	563.1	563.	563.
14	565.3	565.	565.5	566.4	566.4	566.8	566.8	566.6	566.8	567.3
15	560.5	561.1	565.9	571.	573.	571.8	572.5	571.6	574.3	574.8
16	572.	570.8	569.6	568.6	570.	565.9	567.6	568.	568.	567.9
18	566.9	565.3	567.2	568.7	569.4	569.5	568.8	568.2	568.	567.9
19	563.3	562.	558.5	556.9	557.7	558.	558.1	561.2	565.1	568.1
20	.....	.....	.....	569.7	566.9	568.3	570.	570.4	572.6	572.
21	561.1	560.6	560.6	560.5	561.	562.6	561.9	562.	561.5	561.4
22	563.3	563.5	564.	563.5	564.	564.1	564.3	564.8	564.4	564.1
23	566.9	568.8	571.4	572.6	570.1	570.9	568.	566.	561.8	562.9
25	566.9	567.3	567.7	567.8	567.5	569.	569.5	568.1	568.6	568.1
26	567.3	568.1	567.6	566.5	566.7	565.5	566.9	566.7	566 5	566.3
27	564.5	565.4	564.	564.2	564.4	564.6	565.3	564.8	564.8	564.6
28	567.	567.	567.5	567.2	566.9	567.7	567.2	566.4	564.5	566.2
29	569.5	571.7	572.	572.2	572.4	569.2	565.	565.	565.2	570.
30	571.	571.2	570.3	572.1	574.	576.3	575.7	573.	572.2	570.5
Means	569.9	569.4	568.8	568.6	567.9	568.7	568.5	567.1	566.1	567.4

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	7 00	7 06	7 12	7 18	7 24	7 30	7 36	7 42	7 48	7 54
Observatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 13½
July 1	561.7	564.3	567.1	568.9	571.	571.1	570.5	570.5	571.	569.
2	575.2	572.	575.4	582.4	575.	561.6	552.8	545.3	550.3	558.3
4	574.6	548.4	547.2	518.6	507.2	496.5	488.1	516.4	543.6	564.5
5	560.7	560.7	560.7	560.	559.2	558.8	559.1	558.	557.4	556.6
6	564.5	563.7	562.7	562.3	560.5	555.6	554.5	544.6	535.7	534.6
7	557.4	554.9	552.6	550.	549.1	551.9	556.9	562.5	566.6	569.5
8	564.2	564.3	564.1	564.6	564.6	564.9	564.6	565.	564.4	565.
9	593.3	593.5	592.5	587.9	584.	580.2	575.6	572.	572.5	572.9
11	563.3	564.3	564.4	563.7	563.3	560.6	557.2	554.3	552.7	553.2
12	567.4	566.7	567.1	567.4	566.1	560.	559.1	560.	560.2	558.9
13	.....	563.4	563.5	563.9	563.1	564.1	563.9	563.7	563.8	563.7
14	566.	565.2	567.	566.7	566.7	565.3	564.7	565.1	564.6	564.8
15	573.6	574.	574.4	574.	573.4	572.9	568.3	568.5	568.	568.
16	568.1	568.1	568.1	568.	567.3	567.4	567.4	567.5	567.5	566.7
18	566.8	566.8	566.5	566.5	566.2	564.6	565.1	566.2	565.6	566.5
19	570.4	570.7	571.7	572.6	571.8	572.6	571.1	571.9	570.7	567.8
20	571.5	567.	566.5	566.2	565.5	568.2	569.	567.5	566.7	565.5
21	561.5	562.8	564.3	564.9	564.7	566.	566.	566.5	564.5	564.2
22	564.	564.	564.2	564.1	563.2	562.9	563.9	563.8	564.7	565.6
23	561.3	564.9	561.5	561.2	560.4	560.2	564.6	566.9	573.6	577.9
25	567.2	567.8	567.4	568.1	566.4	566.1	565.7	565.5	564.1	564.2
26	566.4	566.5	567.	566.8	567.2	566.7	568.	569.3	568.1	566.9
27	562.8	565.5	564.1	562.	562.1	561.4	561.	562.7	562.	561.9
28	566.5	567.5	568.	568.	568.	.....	568.9	568.5	568.5	568.7
29	570.	570.	.....	.....	....	.....	.....	570.	569.9	569.9
30	569.2	568.4	568.7	568.1	....	.....	568.1	568.	568.	568.
Means	567.5	566.4	566.3	565.1	563.6	561.7	561.4	562.3	563.3	564.3

Göttingen time	h. m. 18 00	h. m. 18 06	h. m. 18 12	h. m. 18 18	h. m. 18 24	h. m. 18 30	h. m. 18 36	h. m. 18 42	h. m. 18 48	h. m. 18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
July 1	552.8	554.7	554.7	557.1	557.4	556.7	555.3	550.	542.5	539.3
2	545.	538.2	540.7	541.	541.	546.1	546.3	546.8	552.1	551.
4	568.	568.5	571.	561.5	563.2	559.5	566.5	563.7	563.	565.7
5	559.4	559.	558.7	558.6	558.3	558.	557.5	557.2	557.	556.3
6	553.9	555.8	554.2	553.1	552.2	551.9	552.3	552.	552.1	552.6
7	556.2	556.2	556.5	556.	554.5	554.5	554.9	552.2	553.	552.1
8	557.5	556.4	555.2	555.6	556.1	555.4	555.3	554.7	554.4	554.
9	558.2	557.5	557.5	557.	557.8	558.9	560.	559.4	559.3	559.7
11	551.6	552.8	555.2	555.	555.	555.7	554.5	554.9	554.6	553.9
12	559.5	559.	558.5	556.9	556.	554.8	553.7	553.	552.8	552.7
13	558.6	558.6	558.	557.4	557.	557.1	557.	556.2	556.	555.2
14	555.2	554.6	554.2	553.5	553.	552.3	552.	551.4	551.	551.
15	556.1	556.1	555.9	555.	554.5	553.7	553.1	553.	553.	552.9
16	556.	556.5	556.	556.7	556.3	556.1	556.6	556.3	556.6	556.8
18	554.4	554.1	554.	553.8	554.3	553.7	553.5	553.5	553.3	553.8
19	554.	555.2	555.4	555.2	554.8	557.	555.7	555.5	554.4	555.4
20	557.4	557.5	557.2	558.	558.	557.1	556.9	557.	556.5	555.7
21	557.8	557.4	557.6	557.4	557.	556.8	556.	555.8	556.3	556.2
22	547.6	547.5	547.6	547.3	548.5	548.9	549.4	550.	549.2	548.6
23	556.8	555.5	556.2	555.6	554.6	553.8	554.4	556.4	556.6	555.7
25	557.4	557.	556.9	556.4	556.	555.9	555.1	554.7	554.3	554.2
26	551.8	550.9	549.8	549.	548.6	547.9	547.2	547.	546.8	546.5
27	554.3	553.3	553.1	552.4	552.	551.6	551.4	551.4	551.	551.
28	559.5	559.	558.5	558.	557.5	557.	556.7	556.2	556.	555.9
29	559.5	559.	559.4	558.5	558.	556.4	556.1	555.	554.6	553.9
30	564.6	565.2	563.1	562.9	561.5	561.9	561.9	561.7	561.5	562.
Means	556.3	556.	556.	555.7	555.1	554.9	554.9	554.3	554.1	553.9

Göttingen time	h. m. 2 00	h. m. 2 06	h. m. 2 12	h. m. 2 18	h. m. 2 24	h. m. 2 30	h. m. 2 36	h. m. 2 42	h. m. 2 48	h. m. 2 54
Observatory time	20 19½	20 25½	20 31½	20 37½	20 43½	20 49½	20 55½	21 01½	21 07½	21 13½
July 1	.....	.....	.....	.....	.....	.....	.....	.....	566.4	567.
2	575.4	580.5	588.1	588.3	586.6	584.4	588.9	584.6	577.1	570.7
4	571.5	570.6	567.5	563.9	563.9	561.	563.	563.4	565.8	570.
5	564.5	565.	564.2	564.	566.6	566.9	568.2	568.	567.5	566.5
6	558.1	560.5	560.1	560.	559.7	560.9	560.6	560.	560.7	560.7
7	563.	563.1	562.	562.5	561.5	562.2	561.8	561.6	562.7	562.4
8	583.2	575.1	568.5	568.5	565.1	569.7	575.7	581.3	578.8	574.9
9	593.4	590.	588.5	580.6	582.5	577.9	574.4	573.7	576.	576.2
11	573.2	579.6	581.5	580.3	579.6	578.2	579.3	579.4	578.	576.7
12	565.6	564.	566.1	563.5	567.4	570.6	569.2	570.9	570.6	566.9
13	562.1	562.	562.	562.	561.9	561.1	562.4	562.5	562.7	561.9
14	564.2	564.1	564.6	564.	564.2	564.2	564.2	564.2	564.6	565.5
15	562.1	562.7	562.2	562.7	562.	562.	562.	562.8	562.9	563.
16	563.	563.1	564.	564.4	565.	566.	566.6	567.	567.1	568.
18	564.1	564.3	565.	565.	566.8	568.	568.6	568.6	568.6	569.1
19	561.8	562.	561.4	562.	562.	562.8	562.7	566.	570.	571.
20	567.1	565.1	565.1	566.6	567.2	566.2	567.3	566.9	566.5	566.6
21	564.	564.	564.	563.6	563.	563.3	564.	564.2	564.1	564.6
22	562.	562.2	.....	563.8	563.2	563.1	562.9	561.4	562.5	561.9
23	576.6	573.1	578.4	577.8	581.7	579.	576.	571.3	568.	567.
25	563.3	563.6	565.7	564.4	564.6	562.9	563.6	564.2	566.	567.6
26	562.7	563.3	563.3	563.1	564.7	566.3	565.7	565.5	567.8	569.6
27	563.6	565.	565.	565.2	564.7	564.2	564.5	564.	565.4	565.7
28	563.8	563.8	563.2	562.5	564.	563.3	564.4	565.	564.7	565.3
29	586.5	583.8	580.	576.2	573.7	569.5	566.	567.	569.	568.
30	575.1	570.1	569.1	569.1	569.	569.3	567.9	566.	565.	565.2
Means	568.4	568.	568.3	567.4	567.6	567.3	567.6	567.6	567.6	567.4

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	3 00	3 06	3 12	3 18	3 24	3 30	3 36	3 42	3 48	3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
July 1	565.3	566.1	567.	566.1	566.9	566.	563.9	564.	564.	564.6
2	568.7	572.	571.9	573.3	575.8	578.	572.5	577.1	580.7	582.2
4	571.3	569.8	570.	570.4	571.	573.5	571.1	568.3	564.2	561.4
5	567.4	570.3	571.5	572.3	572.3	571.5	574.3	575.3	574.6	572.2
6	562.6	561.	562.2	562.5	563.1	563.1	562.4	561.4	561.	562.3
7	562.	562.3	562.5	561.9	562.4	562.2	562.6	562.4	561.9	563.
8	571.1	570.	571.	573.	573.6	572.9	574.5	586.	595.7	593.4
9	574.3	574.	575.	577.2	577.2	575.7	576.	575.4	575.2	572.6
11	574.9	572.8	570.	568.4	566.7	565.3	565.1	564.5	564.5	565.1
12	566.5	567.5	566.2	565.9	565.9	567.2	568.	568.1	567.5	568.1
13	560.2	561.5	565.	565.9	565.9	565.	565.9	565.4	564.6	563.3
14	565.1	564.4	564.5	563.6	564.4	563.	563.3	565.5	567.2	568.3
15	563.	562.9	562.8	563.3	563.1	564.	564.1	564.6	564.9	565.
16	568.	567.8	566.9	566.	566.	566.1	566.2	566.1	566.	566.1
18	568.8	569.	569.8	569 3	572.1	575.3	578.3	579.3	578.4	578.
19	573.	571.	568.	571.2	573.	572.	571.5	566.7	569.8	573.
20	565.	564.2	564.5	563.8	563.9	563.3	563.5	563.9	563.	563.5
21	564.1	564.7	563.7	563.2	563.3	563.3	564.4	563.7	563.8	564.3
22	562.2	563.2	563.4	565.5	565.7	571.5	573.2	572.1	567.3	565.5
23	566.9	571.5	570.	569.8	572.1	574.1	573.	571.4	571.2	570.2
25	565.6	563.6	564.5	566.	565.9	565.4	565.8	566.	567.3	567.7
26	571.2	571.7	572.2	572.9	573.	572.5	571.2	569.5	568.4	568.4
27	565.6	565.5	564.9	565.	565.5	565.5	565.3	565.7	566.	566.
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	566.	568.	566.	566.	566.	565.2	565.	566.	566.1	567.
30	566.1	566.	566.	565.9	565.	564.7	564.1	565.5	566.9	568.
Means	566.9	567.2	567.2	567.5	568.	568.2	568.2	568.6	568.8	568.8

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	13 00	13 06	13 12	13 18	13 24	13 30	13 36	13 42	13 48	13 54
Observatory time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
July 1	577.	579.	577.	576.7	576.2	575.5	577.	576.3	576.8	576.8
2	585.2	575.5	576.5	582.7	587.6	588.9	587.	592.7	596.5	595.6
4	568.	568.5	571.	561.5	563.2	559.5	566.5	563.7	563.	565.7
5	577.2	577.7	576.7	575.6	577.3	576.2	575.6	575.2	576.8	576.1
6	572.7	572.9	574.6	572.8	572.7	571.7	573.8	574.1	572.1	572.2
7	575.	574.1	575.1	573.6	573.5	572.9	573.5	574.	572.7	572.4
8	576.	575.9	576.	576.5	576.5	577.	578.	578.4	578.	577.
9	.....	.....	561.4	562.	563.2	562.9	564.7	563.9	565.5	564.7
11	571.9	572.9	573.5	573.4	572.1	572.3	573.1	574.3	574.9	575.
12	574.5	575.	575.4	575.1	576.4	576.	577.	576.7	576.9	575.5
13	574.	574.	574.	573.6	573.6	574.3	574.	574.3	574.6	574.8
14	571.6	572.1	572.5	572.5	572.9	573.4	573.5	573.8	573.6	574.1
15	577.	576.7	576.7	577.2	577.5	577.4	577.8	579.3	577.7	576.2
16	572.	572.9	573.	572.7	571.8	572.	573.	573.1	573.2	573.5
18	578.	577.	577.4	577.2	577.3	577.7	577.4	577.3	576.5	575.9
19	576.9	575.1	574.	573.1	572.	571.5	571.3	571.1	570.8	569.3
20	572.2	572.2	572.5	572.8	571.2	574.7	573.	572.7	572.	573.1
21	576.6	578.6	576.4	575.4	575.	575.	575.	575.7	577.	575.9
22	578.1	578.6	579.8	580.3	580.1	580.3	579.1	578.5	577.8	577.6
23	573.9	574.4	575.8	577.6	578.7	575.9	574.3	573.7	572.8	575.2
25	576.4	577.1	578.7	579.4	580.6	578.6	579.7	581.2	581.8	582.4
26	581.8	582.4	582.9	583.4	583.4	583.5	583.2	582.4	580.2	582.3
27	584.3	584.8	582.2	581.8	581.9	581.9	582.2	581.5	583.4	582.4
28	578.	578.2	579.1	580.6	581.2	581.7	576.9	577.	578.1	578.9
29	588.8	588.7	587.8	587.8	587.4	583.4	585.4	587.	590.5	588.7
30	580.9	581.5	582.3	580.5	580.5	581.	579.2	580.4	580.	579.5
Means	576.7	576.6	576.2	576.	576.3	576.	576.2	576.5	576.6	577.

Göttingen time Observatory time	h. m. 22 04 16 23½	Therm., Fah.	h. m. 22 10 16 29½	h. m. 22 16 16 35½	h. m. 22 22 16 41½	h. m. 22 28 16 47½	h. m. 22 34 16 53½	Therm., Fah.	h. m. 22 40 16 59½	h. m. 22 46 17 05½	h. m. 22 52 17 11½	h. m. 22 58 17 17½
July 1	929.9	89.1	930.	931.4	932.2	935.5	932.	89.2	935.9	936.2	937.2	938.
2	814.	83.2	815.4	805.	799.7	820.5	828.9	82.8	828.2	826.7	825.7	826.4
4	815.1	81.9	817.3	819.2	821.	823.	824.	82.	825.3	826.2	827.6	828.4
5	822.	81.2	822.3	823.	823.9	824.3	825.	81.5	826.	826.1	827.5	828.2
6	770.4	76.6	771.	770.	770.	770.	769.	76.8	769.	769.6	769.5	770.
7	*748.8	77.	750.	751.2	752.6	754.1	755.	77.	756.5	757.5	758.7	759.4
8	756.	78.	757.	758.2	759.5	760.9	762.	78.2	763.5	765.1	766.6	767.8
9	791.	78.5	790.	790.	791.	791.7	791.7	78.3	791.4	790.7	789.1	788.9
11	763.2	77.2	764.	765.	765.2	766.	766.5	77.2	767.4	768.	768.4	769.
12	755.	78.	756.8	758.1	760.	761.2	763.4	78.7	763.7	765.	766.5	768.
13	820.9	81.8	822.	822.6	823.	824.	825.	82.4	826.2	828.	829.	830.3
14	872.	83.5	872.	872.5	872.7	872.7	872.2	83.1	872.1	872.3	872.2	872.
15	715.	72.	715.	715.	715.	714.9	714.9	71.8	715.	714.6	714.	714.
16	648.	68.1	649.	649.	650.	650.1	650.8	68.2	651.	651.	651.	652.
18	829.1	83.3	830.4	832.	833.7	835.6	838.	84.3	841.	844.	846.8	849.
19	858.6	84.3	860.1	861.3	862.7	864.5	865.6	84.5	866.5	868.4	869.5	870.6
20	843.	82.4	843.1	843.7	843.2	844.4	845.1	83.	846.	847.	847.8	848.
21	758.	77.3	759.	760.7	762.	763.8	765.	78.	766.	767.4	768.5	769.7
22	774.7	78.8	776.4	778.	779.2	781.	782.5	79.	783.	785.	786.	787.8
23	822.	82.8	823.	824.2	825.1	826.1	828.1	83.	830.4	833.	835.	837.6
25	788.6	78.3	788.9	789.	789.5	789.5	791.3	78.5	790.5	791.	791.7	792.
26	800.8	81.	802.	803.2	805.	806.9	810.7	81.3	810.	811.	812.7	814.2
27	861.5	84.3	863.1	862.7	865.5	868.5	866.3	84.	867.	868.2	870.	871.2
28	960.1	87.7	960.	960.	960.	959.6	959.	86.5	958.	957.6	956.4	955.5
29	913.	85.8	915.2	917.1	919.	920.8	921.5	86.5	923.3	925.	927.	929.6
30	953.	87.5	953.4	954.3	955.	956.	956.	87.8	957.	957.	958.	959.
Means	815.1	80.8	815.6	816.	816.8	818.6	819.6	80.9	820.4	821.2	822.	823.
Reduced to 32° Fah.	147.		147.	147.	147.4	148.7	149.3		150.	150.7	151.4	152.3

* Supplied.

Göttingen time Observatory time	h. m. 23 04 17 23½	Therm., Fah.	h. m. 23 10 17 29½	h. m. 23 16 17 35½	h. m. 23 22 17 41½	h. m. 23 28 17 47½	h. m. 23 34 17 53½	Therm., Fah.	h. m. 23 40 17 59½	h. m. 23 46 18 05½	h. m. 23 52 18 11½	h. m. 23 58 18 17½	Therm., Fah.
July 1	943.2	89.	941.8	942.9	941.6	943.	943.	89.1	943.4	945.4	947.4	948.2	89.1
2	825.9	82.3	821.9	822.8	821.2	824.6	825.5	82.1	825.2	821.2	824.7	829.8	81.9
4	829.2	81.5	830.	830.5	831.	831.	831.	81.5	831.8	832.	832.3	832.	81.5
5	829.	81.2	829.9	830.	830.9	831.	831.5	81.2	832.	832.7	833.	833.	81.2
6	769.4	77.	765.5	765.	764.3	764.3	764.9	76.9	765.	766.	766.5	766.9	76.9
7	760.5	77.	761.3	762.4	763.1	768.5	764.4	76.9	764.9	765.	765.	765.1	76.9
8	769.2	78.5	771.6	774.	776.4	779.	780.1	78.5	781.	782.	782.	782.8	78.5
9	787.5	78.1	786.1	786.7	786.9	787.	786.8	78.	787.	786.4	786.	785.	77.8
11	769.3	77.3	769.9	770.5	771.	771.	771.2	77.6	772.	772.1	772.5	773.	77.6
12	769.7	79.	771.1	773.	774.	775.6	777.	79.5	778.2	780.	781.7	783.2	79.6
13	831.4	82.8	833.	834.	834.9	836.	838.1	83.	839.7	840.8	842.2	845.	83.2
14	872.1	83.	872.	871.7	871.	871.	871.	83.	871.	871.	871.	871.	83.
15	714.	71.8	713.	713.3	713.	713.	712.	71.4	712.	711.8	711.	711.	71.
16	652.	68.3	652.	653.	653.3	654.	654.	68.4	655.	655.	655.	655.	68.5
18	852.3	84.5	853.6	856.2	858.	860.	861.	84.3	862.	863.2	864.	865.	84.
19	871.2	84.8	873.	874.	875.	875.6	877.	84.7	877.5	878.4	879.1	879.6	84.5
20	849.	83.	849.5	851.	851.5	853.	853.8	83.	854.7	856.	857.7	857.1	82.6
21	771.	78.	772.4	773.3	775.	776.	777.	78.1	778.1	778.7	779.8	780.9	78.2
22	788.7	79.3	789.7	790.5	792.	793.	794.4	79.5	795.5	796.5	797.7	799.	79.7
23	840.	83.5	841.9	843.3	844.5	846.6	847.8	83.6	849.1	850.7	852.5	854.2	83.8
25	793.	78.3	793.1	794.	795.	795.	795.8	78.1	796.	796.3	796.2	797.6	78.
26	816.	81.6	816.7	818.	820.	822.	823.	81.9	824.	825.4	826.7	828.2	82.1
27	871.8	84.	.....	.....	....	.....	.....	....	.....	.....	.....	.....	....
28	954.1	86.2	954.1	953.9	953.	953.	952.	86.	951.7	951.4	950.7	950.2	85.7
29	932.	86.8	934.	935.4	937.	938.6	939.8	86.6	940.7	941.1	941.2	942.	86.5
30	959.4	87.8	960.	960.9	961.8	963.1	963.	87.9	964.	964.	965.2	966.	88.
Means	823.8	80.9	822.3	823.2	823.9	824.9	825.4	80.8	826.1	826.5	827.2	828.	80.8
Reduced to 32° Fah.	153.		153.1	154.	154.7	155.7	156.2		157.	157.5	158.3	159.2	

Göttingen time..... Observatory time.....	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
July 1.....	793.4	78.2	794.8	794.9	796.2	797.1	798.9	78.4	798.9	800.3	802.2	807.
2.....	887.2	80.3	877.7	869.5	865.1	858.7	852.8	80.4	850.	846.8	844.3	842.7
4.....	792.7	75.8	790.1	789.3	786.7	788.	788.	75.8	785.7	784.2	786.7	789.3
5.....	785.1	76.8	786.5	786.	785.7	785.	783.8	77.	783.	783.	783.	783.
6.....	760.	75.6	760.	760.1	760.	760.	760.8	75.8	760.9	760.8	760.2	760.3
7.....	710.	71.3	709.7	709.4	708.	707.	707.	71.2	707.	706.4	706.4	706.6
8.....	705.	71.7	705.	705.	705.	705.	705.	71.8	705.	705.	705.5	705.7
9.....	.....	....	.....	.....	.....	.....	.....	76.5	775.5	776.	776.	776.1
11.....	703.	71.3	704.1	705.	705.7	706.	705.	71.4	704.2	703.1	702.2	702.1
12.....	700.4	71.2	700.4	701.1	700.4	700.2	700.	71.1	700.	699.2	698.7	698.7
13.....	726.	73.	726.	725.3	724.6	723.7	723.3	73.2	723.5	723.3	723.1	722.9
14.....	790.6	77.7	789.9	789.6	789.2	789.7	790.	77.8	790.	790.	790.7	790.5
15.....	753.4	74.3	752.9	752.5	752.4	752.5	752.4	74.2	752.	751.8	751.7	750.8
16.....	666.2	68.3	666.	666.	666.	665.	665.	68.3	665.	665.	665.	665.
18.....	729.5	73.2	728.4	729.	729.	729.	729.4	73.5	729.8	730.	730.	729.8
19.....	766.	76.	765.9	765.4	765.6	765.4	765.4	76.	765.5	765.4	765.	765.
20.....	807.6	77.4	807.3	805.9	805.2	804.7	804.1	77.3	803.	803.	802.5	801.9
21.....	694.3	69.8	694.2	694.	693.7	693.6	692.4	69.5	691.9	691.2	690.4	690.
22.....	715.9	71.7	715.2	714.5	714.5	714.6	713.9	71.7	714.	713.9	713.7	713.2
23.....	747.7	74.3	747.2	747.	746.5	746 2	747.	74.5	748.3	749.	750.5	749.
25.....	757.1	74.6	757.	757.	757.	757.	757.	74.4	757.	757.	757.	756.3
26.....	707.5	70.7	705.9	705.1	705.	705.	705.2	70.7	705.2	705.2	705.2	706.2
27.....	752.7	74.5	752.6	752.7	752.7	752.7	752.8	74.7	752.9	753.1	753.4	753.9
28.....	852.1	79.	852.	851.8	851.3	851.1	850.8	79.	850.4	850.8	853.8	855.6
29.....	863 9	79.3	862.9	863.8	863.	863.9	863.6	79.3	863.2	863.2	862.9	861.2
30.....	842.	83.8	853.3	859.6	867.5	871.3	874.1	81.4	875.7	876.8	877.	877.2
Means.....	760.4	74.8	760.2	760.	759.8	759.7	759.5	74.8	760.2	759.8	759.9	760.
Reduced to 32° Fah...	182.6		182.4	182.2	182.	181.9	181.7		182.2	181.5	181.3	181.2

Göttingen time / Observatory time	h. m. 13 34 / 7 53½	Therm., Fah.	h. m. 13 40 / 7 59½	h. m. 13 46 / 8 05½	h. m. 13 52 / 8 11½	h. m. 13 58 / 8 17½	h. m. 14 04 / 8 23½	Therm., Fah.	h. m. 14 10 / 8 29½	h. m. 14 16 / 8 35½	h. m. 14 22 / 8 41½	h. m. 14 28 / 8 47½	Therm., Fah.
July 1	801.5	78.8	802.	802.1	803.	803.8	804.7	79.2	805.	806.	807.2	808.7	79.5
2	842.	80.5	842.4	842.2	841.9	841.5	841.6	80.6	839.9	840.2	840.2	840.2	81.
4	793.5	76.	793.5	795.8	792.	788.8	790.1	76.1	787.5	787.	787.7	787.9	76.2
5	782.3	77.	781.8	781.5	781.	780.1	780.	77.2	780.	780.	780.8	781.	77.3
6	760.8	75.8	760.3	760.	760.4	761.	760.8	75.8	760.8	762.	762.	762.	75.9
7	706.9	71.	705.5	705.	704.4	703.5	703.5	70.5	702.5	701.5	700.8	700.3	70.2
8	705.5	71.9	706.	705.5	705.6	706.	705.	72.	705.5	705.	705.	706.2	72.1
9	776.	76.6	775.4	775.	775.	774.	774.	76.7	775.	775.	776.	776.	76.9
11	701.9	71.6	701.1	700.	699.3	698.5	698.1	71.7	698.	698.1	698.5	699.	72.
12	698.	71.	697.5	697.3	697.	696.9	696.6	71.	696.5	696.4	696.2	696.2	71.2
13	723.	73.3	722.	722.9	722.4	723.1	723.7	73.5	724.5	729.1	730.	730.	73.6
14	790 5	78.2	791.	791.8	791.8	791.9	793.2	78.5	794.	794.8	795.	796.	78.6
15	750.5	74.1	749.4	749.2	748.7	748.2	747.8	74.	747.3	747.	746.2	745.7	74.
16	665.	68.2	665.	664.	664.	663.	662.9	68.2	662.2	662.	662.	661.1	68.2
18	730.1	72.7	730.6	730.6	731.	731.7	731.7	74.2	732.	732.2	732.9	733.	74.8
19	765.	76.	765.	765.	765.	766.7	767.	76.3	767.	767.5	768.1	768.7	76.4
20	801.4	77.3	800.2	800.2	801.7	800.	800.1	77.4	800.	799.5	798.7	798.	77.6
21	689.	69.8	689.	689.	689.4	689.6	690.	70.	690.3	690.5	690.8	691.	70.4
22	713.	71.5	713.	713.	713.	713.	712.5	71.5	712.	712.	712.	712.8	71.5
23	747.8	74.7	748.3	748.8	750.1	750.	749.4	74.8	749.1	749.3	749.5	750.	75.2
25	755.4	74.3	754.3	754.1	754.	754.5	754.1	74.3	754.	754.	753.4	753.2	74.5
26	706.7	71.	707.4	707.	708.3	708.7	708.8	71.5	709.3	709.2	710.	710.1	71.8
27	754.9	75.2	754.9	755.	755.	755.1	756.5	75.3	756.5	757.	757.5	758.	75.5
28	855.8	79.	856.	855.	853.9	854.2	852 6	79.	852.1	852.9	852.9	853.2	79.
29	861.4	79.3	861.5	861.2	861.	860.1	860.	79.2	859.5	859.	858.1	857.5	79.
30	877.2	81.3	877.	877.	877.9	878.5	877.9	81.2	878.2	878.1	878.5	879.9	81.
Means	759.8	74.9	759.6	759.5	759.5	759.3	759.3	75.	759.2	759.4	759.6	759.8	75.1
Reduced to 32° Fah	180.7		180.2	179.8	179.5	179.1	178.8		178.3	178.	177.8	177.6	

Göttingen time / Observatory time	h. m. 11 32 / 5 51½	Therm., Fah.	h. m. 11 38 / 5 57½	h. m. 11 44 / 6 03½	h. m. 11 50 / 6 09½	h. m. 11 56 / 6 15½	h. m. 12 02 / 6 21½	Therm., Fah.	h. m. 12 08 / 6 27½	h. m. 12 14 / 6 33½	h. m. 12 20 / 6 39½	h. m. 12 26 / 6 45½	Therm., Fah.
July 1	698.1	71.7	698.	700.5	699.9	700.9	697.1	71.5	691.3	686.2	685.5	685.	71.3
2	748.4	79.5	726.5	735.3	741.	760.7	766.	79.7	791.	796.2	784.9	781.7	79.9
4	803.5	75.2	795.6	791.7	791.2	791.5	781.1	75.1	788.1	778.9	773.5	780.6	75.
5	723.8	76.3	723.4	722.6	722.9	722.6	722.3	76.3	722.2	723 1	723.1	723.4	76.3
6	693.	74.8	693.	695.3	695.1	697.6	699.3	74.8	701.6	705.1	707.	707.5	74.7
7	685.2	70.7	685.7	686.5	688.1	686.7	688.	70.5	688.9	687.	686.1	685.	70.4
8	680.	71.1	680.2	681.	681.2	680.	680.7	71.	681.	681.5	681.1	680.1	71.
9	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	....
11	709 5	69.6	709.	708.7	706.5	704.5	701.9	69.7	697.5	696.2	695.	694.5	69.8
12	690.	70.	692.4	.....	690.9	691.	691.8	70.	690.8	688.2	690.7	691.8	70.
13	692.3	72.4	691.4	690.8	689.9	689.4	687.6	72.2	685.5	682.9	681.	682.1	72.1
14	686.7	77.	686.2	685.8	684.9	683.8	681.4	77.	680.4	679.7	682.3	685.	77.
15	698 2	73.5	697.3	697.3	696.6	696.5	694.4	73.5	695.	695.6	695.1	693.1	73.5
16	677.5	67.5	675.	672.5	668.8	667.5	667.1	67.5	668.	668.8	671.6	672.7	67.5
18	686.8	73.	687.	687.	687.5	688.1	688.7	72.6	687.5	686.9	687.4	686.7	72.7
19	688.7	74.6	690.5	688.	688.7.	689.	689.9	74.8	689.6	689.4	687.4	686.2	75.2
20	708.3	76.4	706.8	705.	702.5	704.9	707.9	76.4	708.4	710.2	710.5	711.9	76.4
21	673.2	69.	674.8	672.8	673.5	672.7	672.6	68.7	673.5	673.5	673.7	674.1	68.7
22	676.8	70.	675.7	674.8	673.7	672.	671.5	70.3	671.9	673.	673.6	673.7	70.7
23	694.6	73.7	694.	693.5	693.4	690.1	691.2	73.5	690.	690.	691.1	694.6	73.7
25	700.2	73.7	699.5	696.4	696.6	696.8	696.	73.7	697.2	696.8	698.8	703.1	73.7
26	686.4	69.5	685.3	684.6	682.6	681.2	681.9	69.5	683.	683.2	679.7	678.5	69.5
27	710.5	73.3	706.	703.6	702.3	698.8	696.5	73.7	693.2	689.3	690.4	690.1	74.2
28	703.6	78.	703.	703.3	701.5	706.	704.6	78.2	704.9	706.8	709.8	712.	78.
29	705.8	78.6	705.	704.9	703.2	702.6	701.3	78.6	699.7	698.1	697.	696.5	78.6
30	723.7	78.6	721.8	719.7	716.4	714.8	713.8	78.7	712.7	710.3	710.9	711.2	78.8
Means	701.	73.4	700.1	700.1	699.9	699.6	699.	73.4	699.1	699.	699.	699.	73.5
Reduced to 32° Fah.	593.4		592.5	592.4	592.3	592.	591.4		591.4	591.2	591.1	591.	

Göttingen time Observatory ttme	h. m. 21 02 15 21½	Therm., Fah.	h. m. 21 08 15 27½	h. m. 21 14 15 33½	h. m. 21 20 15 39½	h. m. 21 26 15 45½	h. m. 21 32 15 51½	Therm., Fah.,	h. m. 21 38 15 57½	h. m. 21 44 16 03½	h. m. 21 50 16 09½	h. m. 21 56 16 15½
July 1	694.3	87.7	697.6	696.2	695.6	694.5	696.7	88.	692.7	690.8	688.9	689.6
2	630.7	82.9	644.	621.8	647.7	667.2	666.2	82.7	668.4	673.3	657.5	665.2
4	764.	80.	755.9	749.5	749.3	739.5	725.	80.3	726.5	723.4	722.9	724.1
5	717.1	79.7	716.4	716.3	715.	714.1	714.9	80.	716.	715.6	715.	715.6
6	684.5	75.5	683.7	677.	673.5	672.3	674.	75.5	672.7	668.	672.2	670.1
7	701.9	73.	698.6	697.2	695.8	693.5	693.	73.7	695.5	694.2	696.	698.2
8	693.	75.7	693.2	693.	691.7	689.7	687.7	76.	688.8	689.	689.5	684.5
9	702.2	78.	697.7	696.7	691.2	675 5	690.8	78.	712.	721.7	723.	714.8
11	696.2	76.4	695.	694.	691.1	690.1	688.7	76.6	688.8	682.4	682.6	680.7
12	691.6	76.1	689.	686.3	685.8	682.	676.4	76.9	675.6	676.2	674.7	672.6
13	694.3	81.	699.2	696.8	695.2	696.2	695.1	81.6	693.	693.	694.5	698.2
14	702.2	84.	700.4	700.3	697.1	691.	690.1	84.	693.	697.5	700.	701.1
15	671.7	71.	666.	669.4	666.4	661.	659.8	71.	661.7	656.	660.4	660.2
16	663.	67.5	662.	657.6	652.	652.6	655.2	67.7	658.	663.	670.7	669.7
18	691.1	82.	695.2	694.	695.7	697.	698.2	82.6	699.	698.8	698.6	697.3
19	712.5	83.5	713.2	711.2	718.	717.5	725.5	84.1	724.	727.	729.4	727.7
20	691.8	81.5	695.6	692.7	692.	697.	705.2	81.6	713.2	714.2	719.3	723.2
21	687.3	75.2	685.2	688.7	684.5	685.2	686.2	75.7	687.	687.9	688.6	687.2
22	687.5	77.3	684.5	689.6	692.6	691.3	686.7	77.8	687.3	692.4	692.	692.8
23	712.7	81.2	707.4	723.2	732.8	715.7	710.3	82.	700.7	693.	699.	706.
25	696.8	76.8	695.	692.9	693.3	694.	691.2	76.9	693.	691.4	692.1	693.
26	690.9	79.5	692.5	693.	694.6	695.7	694.5	80.	692.	695.3	696.7	699.2
27	719.2	83.5	721.4	716.2	717.	722.	721.	84.	719.7	719.2	711.2	710.3
28	707.5	83.8	710.9	706.9	700.3	709.	715.2	83.9	721.4	724.8	725.4	720.
29	719.	84.	720.2	721.9	722.	732.4	734.7	84.9	739.5	746.	748.7	738.7
30	733.5	86.1	742.4	741.2	732.9	737.4	736.1	86.6	732.9	733.1	733.5	738.8
Means	698.3	79.3	698.6	697.1	697.1	696.7	696.9	79.7	698.1	698.8	699.3	699.2
Reduced to 32° Fah.	575.2		575.3	573.7	573.5	572.9	572.9		574.	574.5	574.9	574.6

Göttingen time / Observatory time	h. m. 22 02 / 16 21½	Therm., Fah.	h. m. 22 08 / 16 27½	h. m. 22 14 / 16 33½	h. m. 22 20 / 16 39½	h. m. 22 26 / 16 45½	h. m. 22 32 / 16 51½	Therm., Fah.	h. m. 22 38 / 16 57½	h. m. 22 44 / 17 03½	h. m. 22 50 / 17 09½	h. m. 22 56 / 17 15½	Therm., Fah.
July 1	690.	88.3	690.	699.2	697.1	691.7	693.5	88.5	694.4	691.5	698.4	709.1	88.7
2	656.9	82.5	644.2	623.2	634.4	596.5	605.2	82.3	629.2	635.	663.9	689.2	82.2
4	731.	80.5	736.4	748.	746.4	751.6	753.7	80.7	754.5	756.5	756.	755.	80.8
5	716.	80.1	715.7	716.	718.3	721.	721.1	80.4	722.5	722.5	722.2	720.7	80.6
6	675.	75.8	679.2	649 9	649.5	659.2	634.5	76.	653.2	655.8	661.3	676.2	76.2
7	696.2	74.3	695.9	696.5	696.5	695.1	696.7	74.8	698.6	696.7	697.5	699.2	75.2
8	681.6	76.6	679.6	681.9	680.2	675.	673.7	77.	671.7	677.2	675.	673.5	77.2
9	713.	78.	711.	715.7	738.	735.8	737.2	78.	726.2	716.5	700.5	689.	78.
11	680.9	76.8	684.7	686.8	685.7	686.1	686.1	77.	684.7	687.4	687.8	684.3	77.
12	675.3	77.5	675.8	679.4	680.8	682.9	679 6	78.4	680.7	680.8	681.6	683.2	78.8
13	700.	82.	700.6	698.2	697.	699.4	699.	83.	702.	704.5	700.3	702.6	83.6
14	703.	83.5	743.3	704.2	704.7	706.	706.3	83.2	710.	711.3	711.7	713.	83.
15	663.2	70.7	663.	665.7	672.9	676.9	675.7	70.5	677.	676.8	675.5	677.	70.3
16	666.	67.7	670.9	672.	675.2	676.6	673.4	68.	673.	674.2	671.8	674.5	68.2
18	696.7	83.3	695.8	696.6	697.5	699.7	702.2	84.	704.1	704.2	705.	705.7	84.6
19	722.	84.5	722.	723.7	724 6	726.2	725.2	84.8	723.5	730.2	728.	729.7	85.
20	723.5	81.9	724.	725.	719.	716.1	714.	82.2	714.9	714.1	709.3	707.1	82.2
21	688.3	76.2	683.	685.5	689.2	692.4	689.	77.	690.7	691.	691.5	693.9	77.6
22	695.5	78.3	697.8	702.7	703.3	702.2	701.	78.8	701.1	702.4	701 8	702.6	79.2
23	710.	82.7	707.7	713.	718.	722.	734.6	83.	749.2	762.5	760.4	764.	83.3
25	694.7	77.	688.5	687.2	688.2	683.2	686.	77.2	686.5	689.	692.7	691.3	77.4
26	699.2	80.5	697.8	697.	698.7	702 1	701.6	81.	701.	702.5	702.3	705.6	81.5
27	712.	84.2	716.2	708.2	715.	713.4	713.	84.	717.4	714.7	721.	718.6	84.2
28	716.7	84.	712.5	712.2	712.	716.5	721.1	84.5	725.	731.5	730.6	726.7	84.7
29	745.2	85.5	755.3	744.8	743.7	742.	729.2	86.	727.7	730 3	735.7	738.	86.4
30	736.5	87.	738.8	738.5	743.5	745.2	741.2	87.	735.	737.5	741.	745.5	87.
Means	699.6	80.	699.6	698.9	701.1	700.6	699.8	80.3	702.1	703.7	704.7	706.7	80.5
Reduced to 32° Fah.	574.9		574.7	573.9	575.9	575.3	574.3		576.4	577.8	578.7	580.6	

Göttingen time..... Observatory time.....	h. m. 1 02 19 21½	Therm., Fah.	h. m. 1 08 19 27½	h. m. 1 14 19 33½	h. m. 1 20 19 39½	h. m. 1 26 19 45½	h. m. 1 32 19 51½	Therm., Fah.	h. m. 1 38 19 57½	h. m. 1 44 20 03½	h. m. 1 50 20 09½	h. m. 1 56 20 15½
July 1.....	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....
2.....	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....
4.....	744.4	80.8	743.2	741.4	739.9	738.1	738.5	80.8	741.1	740.	746.1	746.2
5.....	734.2	80.	740.5	736.	740.4	737.7	735.8	79.8	732.7	729.5	729.2	732.1
6.....	677.1	75.9	666.	650.1	655.1	666.6	690.	75.5	745.7	754.5	741.2	742.
7.....	701.2	75.3	700.1	698.	698.7	699.9	705.	75.3	704.4	707.6	707.1	706.7
8.....	.....	78.	712.	719.5	731.	739.7	740.7	78.	736.	727.5	720.8	711.7
9.....	731.	77.	733.1	730.	728.5	731.	730.2	77.	730.	707.4	693.7	701.3
11.....	698.2	77.	701.5	704.8	700.3	700.7	705.4	76.1	709.4	711.1	714.7	712.8
12.....	720.7	79.8	717.7	711.8	712.3	710.6	714.6	79.	717.1	720.	719.3	718.6
13.....	717.4	84.	716.1	716.	720.2	720.5	719.2	83.9	720.7	720.	720.	722.2
14.....	.....	82.5	721.3	720.6	721.	719.	719.4	82.3	716.7	715.7	716.	715.9
15.....	682.5	70.	682.	679.	678.	679.	680.7	69.8	681.	682.	681.4	679.1
16.....	680.	68.1	679.	678.	677.9	675.9	678.	68.2	678.7	678.3	679.	678.3
18.....	.....	84.	708.9	710.2	707.5	707.7	708.3	84.	707.4	707.5	707.2	710.
19.....	716.3	84.3	714.	718.5	719.	718.8	720.	84.	719.2	721.	718.4	710.5
20.....	731.2	80.8	729.5	725.5	721.	718.5	717.9	80.	718.	717.5	718.2	719.6
21.....	.....	77.5	706.	704.7	703.9	700.	701.3	77.4	702.	702.8	703.	704.
22.....	703.7	79.5	699.1	703.7	702.6	699.1	698.	79.2	700.5	700.6	697.5	698.
23.....	736.1	84.4	734.5	736.3	736.7	737.4	734.1	84.	740.8	743.8	742.	736.
25.....	707.	77.	707.1	708.	707.2	707.5	708.	76.8	706.3	704.1	705.3	704.9
26.....	718.2	82.	717.	718.2	715.2	714.	713.7	81.8	714.4	716.1	714.5	718.7
27.....	725.7	83.	723.5	726.2	730.2	731.	728.8	83.	728.	725.	725.5	728.4
28.....	728.	84.5	730.	731.2	734.6	734.4	735.6	84.	737.	741.2	744.	742.
29.....	732.	86.2	722.	725.2	725.7	728.7	734.2	86.	749.4	763.7	757.5	753.2
30.....	731.7	87.	735.2	737.1	738.	743.7	745.3	87.	745.5	741.8	729.7	726.2
Means.....	715.8	79.9	714.1	713.8	714.4	715.	716.8	79.7	720.1	719.9	718.	717.4
Reduced to 32° Fah...	591.5		589.6	589.5	590.2	590.9	592.8		596.3	596.2	594.5	594.

Göttingen time Observatory time	h. m. 2 02 20 21½	Therm., Fah.	h. m. 2 08 20 27½	h. m. 2 14 20 33½	h. m. 2 20 20 39½	h. m. 2 26 20 45½	h. m. 2 32 20 51½	Therm., Fah.	h. m. 2 38 20 57½	h. m. 2 44 21 03½	h. m. 2 50 21 09½	h. m. 2 56 21 15½	Therm., Fah.
July 1	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	....
2	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	....
4	739.9	80.5	734.9	737.	739.7	739.7	747.6	80.1	746.2	751.8	754.1	753.1	79.8
5	726.2	79.6	740.5	738.1	732.9	730.7	730.6	79.4	728.6	732.3	730.6	741.	79.5
6	742.6	75.6	738 5	736.	733.7	731.9	730.1	75.4	730.	728.9	725.2	720.6	75.2
7	705.1	75.	702.7	702.9	702.7	703.2	702.7	74.9	702.4	702 6	703.2	702.9	74.8
8	709.7	78.	711.3	714.5	713.	726 1	735.	78.	729.9	721.4	714.3	715.7	78.
9	701.7	77.	700.4	710.9	724 1	723.5	728.2	77.	756.7	740.9	737.5	726.7	77.
11	711.2	75.7	709.5	709.4	716.5	714.1	707.9	75.2	705.5	704.3	708.5	712.2	74.8
12	718.3	78.7	717.5	718.	717.9	696.3	680.5	78.5	692.5	694.1	695.1	699.8	78.3
13	722.2	83.	722.7	724.4	724.7	728.	725.2	82.5	724.4	724.3	728.3	728.4	82.
14	717.5	82.2	718.8	719.4	721.9	721.1	721.5	82.	723.2	724.1	724.5	724.5	81.9
15	678.3	69.8	680.	680.8	679.1	679.	679.7	69.8	676.2	675.9	676.4	675.4	69.8
16	677.1	68.3	678.7	678.4	678.1	681.5	683.	68.4	684.7	683.5	682.8	681.9	68.5
18	708.9	83.6	709.8	709.8	711.2	710.5	716.2	83.2	719.5	722.7	725.4	733.2	82.8
19	717.2	83.8	716.1	719.6	717.7	715.6	718.5	83.7	718.7	713.5	714.4	721.1	83.6
20	722.2	79.4	725.	726.2	727.5	727.3	729.8	78.5	729.2	727.	726.5	726.	77.9
21	703.7	77.3	703.5	702.8	704.	703.9	705.2	77.2	704.1	701.8	701.1	701.	77.1
22	698.5	79.	699.	695.8	693.7	693.	696.3	79.	697.6	703.8	702.	701.2	79.
23	732.	83.5	728.1	717.5	717.2	714.	718.7	83.	724.7	731.5	741.	744.7	82.5
25	706.4	76.2	708.3	706.1	706.9	708.	708.8	75.8	708.7	708.1	707.7	703.2	75.4
26	719.6	80.7	719.5	719.7	719.2	716.7	715.4	80.3	715.3	715.8	714.7	714.7	80.
27	725.5	82.8	722.2	719 5	722.7	726.	726.1	82.6	726.8	727.2	726.7	724.6	82.4
28	741.5	83.5	743.6	745.	743.2	745.7	747.6	83.	746.2	746.5	743.5	744.4	82.5
29	743.5	85.6	742.4	746.6	752.2	759.6	762.2	85.4	767.6	767.2	762.9	756.5	85.2
30	725.5	86.8	729.7	735.6	734.5	730.3	727.7	86.4	729.2	732.	736.2	736.4	86.
Means	716.4	79.4	716.8	717.3	718.1	717.7	718.5	79.1	720.3	720.1	720.1	720.4	79.
Reduced to 32° Fah	593.2		593.7	594.4	595.3	595.	596.		597.9	597.8	597.9	598.3	

Göttingen time Observatory time	h. m. 15 32 9 51½	Therm., Fah.	h. m. 15 38 9 57½	h. m. 15 44 10 03½	h. m. 15 50 10 09½	h. m. 15 56 10 15½	h. m. 16 02 10 21½	Therm., Fah.	h. m. 16 08 10 27½	h. m. 16 14 10 33½	h. m. 16 20 10 39½	h. m. 16 26 10 45½
July 1	688.5	80.3	690.9	692.7	693.9	695.1	699.1	80.9	698.6	698.5	699.6	698 9
2	732.	80.8	739.	733.7	730.	734.	736.8	81.	737.1	739.1	739.7	739.
4	817.	77.3	820.7	818.2	808.9	817.7	832.9	77.5	821.7	828.	817.7	833.
5	751.6	76.8	750.2	748.7	748.5	749.7	749.	77.	748.4	748.6	749.	751.
6	741.8	75.1	743.	742.7	741.1	744.2	747.	75.	744.1	742.5	738.3	739.
7	714.6	69.2	712.4	711.6	709.6	716.7	718.2	69.3	717.1	713.7	715.5	716.4
8	717.5	71.6	719.8	722.4	722.6	721.7	722.8	72.	722.	723.6	723.3	723.8
9	715.3	76.3	717.	715.1	714.	718.	727.1	76.2	740.1	734.6	732.3	730.2
11	723.3	72.	724.5	725.2	726.	731.5	734.4	72.5	729.	718.6	720.5	718.6
12	717.2	70.6	721.5	722.2	719.5	716.1	715.1	71.	715.1	715.6	717.5	718.3
13	739.1	75.1	737.3	736.	734.3	739.6	739.7	75.6	737.7	736.3	734.8	734.8
14	733.	79.3	734.4	736.	737.5	738.5	739.8	79.8	741.3	741.2	742.	742.3
15	711.6	72.5	713.2	715.8	719.8	721.	722.3	72.2	721.1	719.9	720.	720.
16	698.5	67.	699.5	697.7	696.	695.5	696.	67.	692.5	691.	690.	688.7
18	696.6	75.1	698.5	698.8	699.5	701.	697.4	75.6	698.	698.	697.3	698.4
19	716.3	76.3	715.7	716.5	716.1	715.3	714.9	76.8	712.1	708.6	712.4	712.6
20	725.3	77.1	723.8	721.9	718.3	718.1	724.	77.4	724.4	724.	721.4	719.1
21	704.1	70.5	709.5	708.3	708.6	708.3	707.6	71.	708.8	709.	708.5	708.3
22	712.8	72.5	710.3	709.8	711.4	709.7	709.	72.8	710.3	713.4	713.2	712.5
23	725.7	75.5	724.	.....	724.6	727.	725.4	76.	728.	729.	730.7	732.8
25	732.8	73.9	733.	732.7	737.1	734.	733.1	74.4	736.5	737.4	737.	736.1
26	720.	73.2	723.8	731.1	735.	731.3	734.7	73.6	736.2	734.3	736.	733.7
27	718.7	76.	721.6	718.8	720.	715.7	713.	77.	713.3	711.3	715.7	717.2
28	731.	79.	733.8	730.	726.1	724.1	723.3	79.2	721.6	721.7	721.7	718.
29	716.2	78.2	717.2	721.4	715.6	718.5	722.7	78.4	726.6	730.	728.4	726.8
30	761.1	81.6	763.7	758.5	757.2	752.2	745.8	82.1	741.	741.7	738.	732.3
Means	725.6	75.1	726 9	726.6	725.8	726.7	728.1	75.4	727.8	727.3	726.9	727.9
Reduced to 32° Fah.	613.5		614.7	614.2	613.2	614.	615.2		614.7	614.	613.2	614.2

Göttingen time / Observatory time	h. m. 16 32 / 10 51½	Therm., Fah.	h. m. 16 38 / 10 57½	h. m. 16 44 / 11 03½	h. m. 16 50 / 11 09½	h. m. 16 56 / 11 15½	h. m. 17 02 / 11 21½	Therm., Fah.	h. m. 17 08 / 11 27½	h. m. 17 14 / 11 33½	h. m. 17 20 / 11 39½	h. m. 17 26 / 11 45½	Therm., Fah.
July 1	699.	81.5	700.6	704.9	706.	705.4	703.3	82.1	702.4	699.1	700.	701.6	82.6
2	743 2	81.2	730.	731.6	729.7	737.	741.2	81.6	745.	755.5	764.5	767.8	82.
4	822.	77.6	838.4	829.5	806.4	803.1	793.	77.8	787.1	784.1	784.7	808.2	78.
5	750.4	77.2	750.1	748.3	750.6	751.3	751.7	77.4	750.2	750.	747.2	745.	77.5
6	736.4	75.	733.8	730.2	726.7	725.	724.	75.	718.7	715.	715.6	716.	75.
7	716.8	69.4	719.2	722	722.4	723.8	725.6	69.4	727.	722.8	718.8	717.4	69.5
8	724.2	72.4	724.9	724.1	724.7	726.	726.7	72.8	727.1	727.	727.7	727.9	73.1
9	733.	76.3	736.	731.5	734.5	746.2	755.	76.5	749.6	747.5	742.4	740.	76.7
11	722.9	73.	723.3	721.	721.4	715.1	713.	73.6	713.7	710.4	703.1	708.8	73.9
12	721.3	71.4	721.1	720.7	719.6	719.8	722.	71.8	721.8	724.1	726.2	722.2	72.3
13	734.4	76.2	733.3	730.2	728.4	726.5	725.5	76.6	725.3	734.4	732.5	718.5	77.2
14	741.8	80.2	742.3	742.5	741.7	741.2	741.3	80.5	741.3	739.3	738.8	737.3	80.9
15	719.1	72.1	719.1	721.5	722.3	721.2	718.7	72.	716.9	715.2	712.8	712.	71.8
16	687.	67.	685.5	684.3	683.	684.5	681.	67.	681.7	679.6	677.7	674.7	67.
18	699.9	76.2	700.4	701.4	699.2	701.7	702.	76.8	703.4	704.	703.1	704.2	77.2
19	712.3	77.6	713.8	715.7	713.	712.	708.5	78.4	707.8	713.4	716.1	706.9	79.
20	725.2	77.8	721.3	709.	709.	706.2	707.	78.2	705.	707.6	703.	703.6	78.6
21	707.7	71.3	707.1	708.5	709.	707.6	706.5	71.7	707.4	707.6	708.1	708.5	72.
22	716.5	73.2	715.2	716.	716.4	716.9	717.	73.6	714.8	715.2	710.7	709.1	74.
23	732.2	76.5	740.9	737.2	738.1	738.6	738.7	77.	737.9	735.4	737.	740.6	77.3
25	737.5	74.8	739.2	740.9	743.6	744.7	743.9	75.	743.	741.8	742.	742.	75.
26	731.8	74.4	730.7	730.	728.5	731.5	733.	74.9	732.8	730.2	729.	729.3	75.3
27	716.5	77.8	717.5	719.1	718.9	716.7	716.7	78.5	716.9	716.7	717.	717.3	79.
28	717.7	79.4	717.9	714.6	712.	712.	715.	80.	712.7	714.	712.7	711.2	80.5
29	722.4	78.8	723.3	726.	726.	726.5	721.	79.3	713.5	716.2	718.3	717.3	79.6
30	732.4	82.5	731.2	730.6	728.5	725.5	723.5	83.1	723.1	725.5	723.3	719.6	83.6
Means	727.1	75.8	727.5	726.6	725.8	725.6	725.2	76.2	724.1	724.3	723.5	723.3	76.5
Reduced to 32° Fah.	613.2		613.4	612.3	611.3	610.9	610.1		609.	609.	608.	607.6	

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	6 00	6 06	6 12	6 18	6 24	6 30	6 36	6 42	6 48	6 54
Observatory time	0 19½	0 25½	0 31½	0 37½	0 43½	0 49½	0 55½	1 01½	1 07½	1 13½
Aug. 1	593.5	594.8	593.3	592.5	591.8	591.	591.8	586.7	575.2	570.3
2	565.4	565.3	566.	566.1	565.8	566.	566.6	566.3	566.2	566.3
3	566.1	567.2	567.2	566.4	566.9	566.8	566.9	566.8	566.8	566.6
4	564.3	564.2	565.	564.5	567.5	564.4	567.1	565.1	565.6	564.7
5	567.7	567.6	567.7	567.8	.....	.....	.....	.....	569.	569.5
6	586.7	585.5	585.1	582.2	577.1	578.3	578.1	574.8	544.5	564.9
8	566.	565.	564.6	565.	564.9	564.	564.	564.	564.8	565.5
9	.....	.....	.....	567.	566.8	565.4	564.9	565.4	565.	564.1
10	566.5	566.8	564.9	563.7	567.6	567.3	566.4	565.7	566.1	565.3
11	571.3	570.	569.8	568.7	567.6	567.6	567.9	568.	568.8	.....
12	560.7	560.2	561.	562.7	563.1	563.7	563.9	563.8	563.	562.2
13	560.	559.8	559.7	559.7	560.	560.1	559.6	559.7	559.8	559.9
15	554.	553.	553.	553.	552.9	552.8	552.8	552.5	552.5	552.3
16	553.5	553.	552.5	552.1	551.	551.3	553.1	551.7	551.3	551.5
17	558.3	558.2	562.3	558.1	555.6	557.2	554.6	554.	556.3	556.1
18	564.7	565.1	566.1	566.4	566.1	564.5	564.1	564.1	563.7	563.
19	566.1	566.	565.5	564.9	565.	564.9	564.2	563.1	563.9	564.5
20	562.1	562.	564.3	564.3	564.3	559.2	556.9	559.7	560.9	560.3
22	553.2	552.7	553.1	552.1	552.	551.9	552.	552.1	552.2	552.3
23	560.7	560.2	561.4	563.3	564.8	566.	566.3	567.	566.8	564.6
24	566.4	566.2	565.6	566.	565.6	565.8	566.1	565.7	562.9	566.9
25	562.2	564.9	565.	564.1	564.	564.4	564.8	564.5	568.	569.2
26	566.9	564.9	565.7	565.	565.1	565.	566.	566.1	566.	565.5
27	566.1	564.9	564.5	563.	560.	557.5	562.8	563.8	563.7	565.6
29	567.6	567.3	567.1	567.3	566.9	565.2	565.2	565.9	566.	566.3
30	567.5	567.	566.8	569.	569.	569.	564.3	565.	569.2	569.
31	564.	565.2	565.8	565.9	565.5	565.1	565.9	566.1	565.8	565.5
Means	565.4	565.3	565.5	565.2	564.9	564.4	564.5	564.1	563.1	563.5

Göttingen time	h. m. 7 00	h. m. 7 06	h. m. 7 12	h. m. 7 18	h. m. 7 24	h. m. 7 30	h. m. 7 36	h. m. 7 42	h. m. 7 48	h. m. 7 54
Observatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 13½
Aug. 1	562.4	555.8	557.7	562.8	562.8	564.2	567.3	568.5	570.9	571.4
2	566.1	566.2	566.7	566.3	566.6	566.3	566.7	566.4	567.1	566.5
3	566.5	567.1	567.3	567.4	566.3	566.4	566.3	566.1	566.6	566.7
4	564.6	564.9	565.7	566.	565.7	567.4	565.9	565.8	566.6	566.5
5	570.	570.1	571.2	572.	572.	572.3	571.7	571.6	571.8	571.6
6	565.	554.7	550.4	548.5	547.3	552.	562.9	565.	566.9	570.6
8	565.	565.7	565.9	566.1	566.	565.3	565.7	565.	565.2	565.3
9	564.	562.7	562.5	565.	566.7	565.	566.5	565.	565.4	566.1
10	565.7	564.9	564.6	564.2	564.3	564.5	564.8	564.5	564.1	563.9
11	565.8	564.4	560.9	558.2	557.2	557.5	558.5	560.4	563.	564.6
12	562.3	561.9	562.	562.	562.	562.	561.9	562.	562.4	563.
13	559.4	558.2	558.1	556.7	556.5	557.6	557.1	557.1	556.9	557.1
15	552.1	551.2	550.8	551.7	551.2	550.4	550.	549.9	550.	551.
16	551.7	551.9	551.9	551.8	551.5	549.9	549.1	549.6	549.1	549.
17	556.1	557.1	555.	555.	555.	555.1	555.7	555.3	555.8	556.
18	561.9	559.8	558.3	556.	553.8	553.	552.8	553.8	555.	555.4
19	564.7	565.	565.4	564.7	565.	564.9	565.	564.9	564.8	564.6
20	560.1	561.	561.5	562.1	562.8	562.1	562.8	562.1	562.	562.
22	552.4	552.3	552.7	552.9	552.9	552.7	553.9	553.4	553.6	554.8
23	564.8	565.	565.2	566.2	565.8	566.3	567.1	567.	567.	566.6
24	.....	.....	565.9	566.3	566.7	563.6	566.5	566.9	559.3	563.
25	.....	.....	564.	562.3	562.2	562.4	562.5	562.3	562.	562.5
26	565.7	565.3	565.	565.6	565.9	565.5	565.4	565.2	563.3	564.9
27	565.1	565.4	563.9	563.7	565.4	565.6	565.8	565.9	565.2	565.
29	567.	566.2	566.9	567.9	567.6	567.1	567.	566.8	565.4	566.1
30	569.	567.6	565.	568.9	568.6	569.4	571.5	571.1	571.6	571.1
31	565.9	565.9	565.5	565.5	565.9	565.8	566.	566.1	566.8	567.6
Means	562.9	562.	561.8	562.1	562.	562.	562.8	562.9	563.	563.4

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	18 00	18 06	18 12	18 18	18 24	18 30	18 36	18 42	18 48	18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
Aug. 1	556 9	556.5	556.2	555.9	556.	556.	556.	554.5	554.1	553.1
2	556.4	556.2	555.9	555.1	555.5	555.9	556.6	556.5	557.1	557.1
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	554.3	554.1	553.2	553.	552.1	552.1	552.	552.	552.1	552.2
5	556.	556.8	556.9	557.7	558.4	558.	557.7	557.	557.	556.8
6	551.7	552.2	553.6	553.1	553.8	555.4	556.	556.5	556.	554.5
8	551.	550.8	550.3	550.	550.	550.	549.5	550.	549.6	549.5
9	554.1	551.	551.8	554 3	554.	554.	554.	554.1	554.5	554.9
10	556.3	555.6	554.7	551.	554.	553.9	553.3	553.8	554.	554.
11	548.	546.3	545.5	546.	546.	546.	546.	546.	545.7	545.3
12	548.1	548.	547.9	547.	546.	547.	547.7	547.	546.	545 5
13	548.5	548.	547.	546.5	545.4	546.1	546.7	545.6	546.3	547.7
15	535.	533.5	531.3	530.6	530.4	528.7	529.3	528.9	529.1	531.
16	540.1	540.2	540.7	540.	539.3	539.9	539.9	539.4	539.2	539 1
17	542.8	542.2	541.9	542.2	542.	541.5	541.	540.3	540.	539.8
18	538.	537.9	537.9	538.	538.3	538.2	538.3	538.4	538.	538.
19	532.9	534.6	532.6	533.	531.8	531.	531.6	533.1	534.9	535.7
20	543.1	543.8	544.1	543.9	544.8	544.2	544.7	544.9	545.	545.
22	531.5	530.9	531.1	529.6	530.1	530.	529.2	528 9	527.	527.
23	549.3	548 5	548.1	548.2	547.1	547.	547.5	547.4	547.	546.2
24	548.3	547.4	548.	547.8	548 3	548.	548.7	548.6	548.	549.
25	554.6	554.2	553 5	553.7	553.7	553.	553.5	553.5	554.	553.5
26	550.7	550.3	550.7	551.	550 7	550.6	550.7	550.2	550.5	550.5
27	549.6	549.	548.	548.5	548.9	548.9	548 4	548.	548.7	548.4
29	555.	555.	555 2	555.3	555.4	555.5	555.5	555.6	556.	556.3
30	555.3	555.4	555.	555.	555.	555.	554.8	554 5	554.4	554.1
31	551.4	551.2	551.3	551.8	551.7	552.	552.3	552.1	552.	552.1
Means	548.5	548.2	547.9	547.7	547.6	547.6	547.7	547.7	547.5	547.5

Göttingen time Observatory time	h. m. 2 00 20 19½	h. m. 2 06 20 25½	h. m. 2 12 20 31½	h. m. 2 18 20 37½	h. m. 2 24 20 43½	h. m. 2 30 20 49½	h. m. 2 36 20 55½	h. m. 2 42 21 01½	h. m. 2 48 21 07½	h. m. 2 54 21 13½
Aug. 1	556.9	557.3	557.7	557.7	558.	559.	560.4	560.	560.4	561.4
2	565.5	566.4	561.9	566.6	566.4	566.	565.9	565.8	565.9	566.1
3	563.	562.6	564.5	563.4	563.7	564.4	568.7	567.2	568.5	569.
4	589.7	596.2	596.	593.7	584.4	580.	575.7	576.4	575.9	573.2
5	566.	565.8	565.4	565.9	566.	565.	565.	565.7	565.8	566.1
6	564.1	563.3	565.	566.3	571.	574.	571.1	567.	565.2	564.7
8	567.7	567.2	566.	565.6	565.4	564.7	565.9	565.2	564.1	563.7
9	563.	561.7	560.9	561.	561.	560.8	560.7	561.5	561.	561.
10	562.8	562.	562.	562.	562.2	562.1	562.	562.1	562.	562.
11	557.	557.	555.9	555.3	555.9	558.7	558.7	557.6	557.6	560.
12	559.	558.7	560.1	564.9	571.1	570.2	567.5	563.5	561.	559.9
13	576.9	574.	572.8	571.9	574.	572.8	570.	568.	566.6	565.5
15	549.	548.8	549.	549.7	549.	549.	549.9	549.8	550.	549.8
16	559.2	558.6	557.	556.	554.8	553.8	552.7	552.7	552.2	551.7
17	555.6	555.8	555.5	554.9	554.6	555.	556.	555.7	554.7	556.
18	556.	555.5	555.	555.	555.8	556.5	556.9	556.9	556.6	556.7
19	558.6	557.2	558.4	558.6	558.6	558.2	558.	558.	557.5	558.
20	570.3	570.4	568.3	567.8	567.5	568.	566.9	565.9	566.	565.9
22	578.8	578.8	580.6	580.9	581.	575.5	572.8	572.6	571.8	572.2
23	564.9	565.3	565.	564.7	565.	564.5	564.5	564.1	564.7	565.2
24	572.4	569.	570.9	573.2	575.	575.	575.3	573.7	571.5	568.7
25	568.	570.7	573.4	570.2	565.2	565.4	567.	568.7	569.	569.1
26	570.2	574.7	580.7	577.3	573.	571.7	575.6	573.5	573.1	573.4
27	565.2	565.7	566.	566.2	566.	566.3	566.5	566.4	566.3	567.
29	565.	565.5	565.4	565.6	565.7	565.5	565.7	565.4	565.3	565.6
30	563.	563.	563.	563.1	563.	563.2	563.1	563.	563.	563.
31	563.9	563.	563.	563.1	563.1	563.	563.2	563.	563.	563.9
Means	564.9	565.	565.3	565.2	565.	564.7	564.6	564.1	563.7	563.6

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	3 00	3 06	3 12	3 18	3 24	3 30	3 36	3 42	3 48	3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
Aug. 1	560.3	560.1	559.3	558.9	558.9	559.6	560.2	562.2	563.2	561.3
2	565.9	566.	566.	566.	565.9	565.7	565.9	565.4	565.4	565.7
3	563.5	566.2	565.4	565.4	565.	565.4	566.3	566.5	567.4	568.4
4	574.2	575.5	574.3	573.	570.8	569.4	566.5	567.5	568.9	568.2
5	567.	567.5	568.1	567.9	565.8	566.4	567.9	569.6	572.	575.3
6	564.4	564.5	564.	563.8	563.5	563.1	563.3	563.9	565.	564.2
8	564.	564.6	564.1	564.1	565.	565.4	566.5	567.2	565.8	565.
9	561.1	561.	561.	561.1	561.1	561.1	561.4	561.4	561.1	561.8
10	562.8	562.9	562.3	562.9	563.1	563.4	563.2	563.4	564.	564.
11	563.6	563.9	563.1	561.6	560.9	561.6	561.4	562.	560.9	560.5
12	561.2	560.	558.1	557.2	557.	559.3	560.1	560.3	560.2	560.7
13	563.9	563.	562.2	561.9	561.2	561.8	561.8	562.	562.	562.
15	550.5	551.	552.2	553.5	552.3	552.1	552.1	552.2	552.5	552.1
16	551.9	552.1	552.8	553.	552.8	554.1	555.	555.	555.1	554.9
17	557.5	558.8	558.9	559.	559.2	561.2	560.9	561.9	559.6	561.1
18	556.8	558.5	557.7	558.	558.8	559.1	559.8	559.7	559.8	560.9
19	557.7	557.5	557.5	557.7	557.8	557.9	557.9	557.8	557.8	558.5
20	566.5	567.	566.3	565.4	565.6	564.6	563.8	563.1	562.6	562.3
22	571.8	572.2	572.3	572.5	573.	568.2	565.7	566.2	567.7	569.5
23	566.	565.8	565.4	566.	565.8	566.	566.4	566.5	567.1	567.5
24	566.9	566.2	566.5	565.8	566.	564.	564.	565.	565.	565.1
25	570.1	569.	569.3	568.6	569.2	568.9	569.	569.3	568.9	568.1
26	572.	569.	569.2	571.5	574.2	576.2	574.8	574.3	572.	571.
27	566.5	567.9	567.5	567.7	567.6	567.	567.	567.	566.9	566.3
29	565.7	565.5	565.7	565.6	565.9	565.6	565.6	566.1	565.7	566.4
30	563.	563.	563.1	563.3	563.5	565.	566.	565.9	565.7	566.1
31	563.7	564.1	564.3	564.4	563.5	563.5	563.4	563.	563.6	563.7
Means	563.6	563.8	563.5	563.5	563.5	563.5	563.5	563.8	563.9	564.1

Göttingen time	h. m. 13 00	h. m. 13 06	h. m. 13 12	h. m. 13 18	h. m. 13 24	h. m. 13 30	h. m. 13 36	h. m. 13 42	h. m. 13 48	h. m. 13 54
Observatory time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
Aug. 1	583.9	583.5	581.7	580.	580.	577.9	576.4	575.1	574.4	576.5
2	576.5	577.3	578.3	578.	578.8	578.	577.	576.8	575.4	575.6
3	576.	576.1	576.3	576.1	576.1	577.	576.	575.	576.	577.6
4	571.1	571.9	573.	.....	573.6	573.2	573.	573.2	573.	572.7
5	584.6	580.7	581.	580.7	580.	578.	579.	578.5	577.	579.7
6	581.	581.	580.	579.9	578.	578.	576.3	576.1	577.	578.
8	.....	573.3	574.3	574.	573.5	574.	574.	575.	573.	572.3
9	580.2	580.1	580.6	580.2	579.7	579.2	579.	579.	579.2	579.4
10	573.	573.	573.	573.5	574.	573.9	574.	575.	573.	573.
11	566.	566.4	565.	563.7	563.8	563.9	566.	566.2	569.1	570.
12	569.1	570.6	570.	567.	569.	570.9	570.	568.3	568.4	567.3
13	570.	569.	568.7	568.7	570.6	572.	572.2	571.7	572.1	570.5
15	558.	558.	558.5	558.4	558.	558.	557.1	557.7	557.	557.
16	560.2	560.6	560.9	560.	559.7	560.2	561.	561.4	562.	562.
17	566.2	567.	567.	567.	568.	567.	567.	567.	567.2	567.
18	568.	568.	568.	568.	567.8	568.4	568.	568.	567.	566.
19	577.	576.1	575.	574.	571.5	571.	568.4	568.2	568.5	563.5
20	567.6	567.5	567.	566.1	565.5	565.	565.	564.5	563.7	563.
22	575.	575.	574.7	572.3	572.	571.2	570.6	570.5	570.	569.4
23	583.6	583.2	583.	584.	584.4	583.5	583.7	583.5	582.1	581.7
24	574.7	577.5	579.1	579.2	578.	577.5	575.	576.5	575.	575.8
25	577.	577.1	575.2	577.4	574.8	578.	574.7	578.6	577.5	577.5
26	580.2	580.7	581.5	580.	579.6	579.5	580.	579.5	577.5	577.5
27	580.2	579.6	580.9	579.5	579.6	579.6	580.	580.2	580.	579.6
29	579.	578.5	578.	578.8	579.1	578.3	576.8	577.8	577.2	577.3
30	573.2	573.2	573.7	573.4	573.4	572.4	571.	570.4	574.	574.4
31	576.7	576.9	577.	575.8	575.9	575.6	575.9	574.3	574.5	574.2
Means	574.1	574.1	574.1	573.7	573.5	573.4	572.9	572.9	572.6	572.5

Göttingen time Observatory time	h. m. 22 04 16 23½	Therm., Fah.	h. m. 22 10 16 29½	h. m. 22 16 16 35½	h. m. 22 22 16 41½	h. m. 22 28 16 47½	h. m. 22 34 16 53½	Therm., Fah.	h. m. 22 40 16 59½	h. m. 22 46 17 05½	h. m. 22 52 17 11½	h. m. 22 58 17 17½
Aug. 1	723.	70.9	723.3	724.	724.9	726.	726.	70.8	726.	726.9	727.1	727.3
2	714.1	71.8	715.7	717.	718.	719.1	720.8	72.	721.9	723.	724.	725.2
3	783.1	76.	784.	785.1	786.2	787.5	788.9	76.2	789.7	791.	792.2	793.
4	723.8	70.8	724.	724.4	724.5	724.8	725.	70.7	725.	725.4	725.7	726.
5	676.9	67.5	677.	677.	677.	677.9	678.	68.2	678.4	679.	680.	680.8
6	773.1	76.5	774.2	775.1	776.2	777.	777.	76.	777.2	779.	780.	779.5
8	904.5	83.9	903.5	901.2	898.3	896.1	894.	82.	890.6	888.	886.	882.7
9	817.8	78.	818.	817.	817.	817.	817.	78.	818.4	817.3	817.5	818.
10	807.	77.2	807.	807.	807.	807.	807.	76.8	807.	807.	806.7	806.9
11	815.1	79.1	816.1	817.	818.	818.2	819.	79.2	820.	820.9	821.	822.
12	810.3	77.	812.	811.1	811.	811.	810.8	76.5	811.5	812.5	816.	818.1
13	804.9	75.5	805.4	805.	805.	805.	805.	75.5	805.5	805.1	806.	805.8
15	846.	80.1	847.9	849.	849.1	851.7	851.9	80.5	855.	856.7	860.4	861.
16	856.2	80.1	857.	858.	858.5	858.4	859.1	80.1	860.9	861.	861.8	862.6
17	836.	80.	836.7	837.4	838.1	839.	840.	80.	840.8	841.8	842.5	843.2
18	868.3	84.8	868.7	869.1	870.9	871.9	873.2	84.8	874.9	875.3	875.8	876.
19	832.7	83.5	833.	834.	835.7	836.2	837.5	83.8	838.7	840.3	841.1	842.
20	798.8	80.2	800.	800.7	800.9	800.8	801.	80.2	801.1	800.9	801.3	802.5
22	798.6	79.8	799.2	800.7	802.	803.	803.	79.5	803.6	803.9	805.1	805.6
23	782.	78.5	782.6	783.4	784.2	785.2	784.3	78.2	785.	786.	787.	786.8
24	755.8	75.	755.3	755.9	756.	756.	756.	75.	756.8	757.	758.	758.9
25	810.	81.5	808.7	809.2	809.9	809.	809.1	81.5	811.	811.	812.	811.1
26	835.9	84.5	837.	838.7	839.	842.	842.	84.8	842.2	843.5	843.9	845.
27	845.4	84.9	846.	847.4	848.3	849.2	850.5	84.9	851.	850.	851.	851.
29	823.4	84.	825.	827.	833.	839.7	841.	84.	842.	842.7	843.7	843.9
30	760.	79.1	760.9	762.	762.5	763.7	764.8	79.3	765.2	767.	768.	768.3
31	769.3	78.	768.4	769.	769.7	770.	770.7	78.	771.1	771.4	771.8	772.1
Means	799.	78.5	799.5	800.1	800.8	801.6	801.9	78.4	802.6	803.1	803.9	804 3
Reduced to 32° Fah.	161.9		162.5	163.3	164 2	165.1	165.6		166.5	167.2	168.2	168.8

Göttingen time / Observatory time	h. m. 23 04 / 17 23½	Therm., Fah.	h. m. 23 10 / 17 29½	h. m. 23 16 / 17 35½	h. m. 23 22 / 17 41½	h. m. 23 28 / 17 47½	h. m. 23 34 / 17 53½	Therm., Fah.	h. m. 23 40 / 17 59½	h. m. 23 46 / 18 05½	h. m. 23 52 / 18 11½	h. m. 23 58 / 18 17½	Therm., Fah.
Aug. 1	728.	70.8	728.7	729.	729.1	729.5	730.	70.8	730.	730.	729.7	730.	70.8
2	726.1	72.5	727.8	729.6	731.	733.	733.2	72.7	734.1	736.	736.8	737.5	72.9
3	793.1	76.	794.	794.	794.4	794.9	795.	76.	796.	796.2	798.	797.7	76.
4	727.	70.5	727.	727.	727.	727.	727.	70.5	727.	727.3	727.1	727.4	70.5
5	681.	68.2	681.2	*681.6	682.	683.	683.5	68.2	684.	684.9	684.9	684.4	68.2
6	780.	75.5	780.	780.	780.	780.5	780.1	75.	781.	782.	782.1	782.	74.6
8	882.	81.1	878.4	876.1	874.	871.8	869.4	80.3	868.	866.1	865.	864.	79.6
9	817.9	78.	819.	818.5	818.	818.6	818.5	78.2	818.	818.	818.3	819.3	78.4
10	806.8	76.4	806.	805.2	804.7	804.	803.	76.6	803.	807.5	807.5	807.3	76.8
11	822.1	79.5	822.7	823.	824.	825.	825.2	79.5	824.1	827.1	828.	829.	79.5
12	819.5	76.8	821.7	822.	821.8	822.	822.	76.8	821.4	821.	821.	821.	76.5
13	806.3	75.5	805.2	806.1	806.8	807.2	807.8	75.5	808.	809.	808.3	808.7	75.5
15	862.	80.9	862.7	864.	865.5	866.	867.	81.	868.8	869.5	809.9	871.1	81.1
16	*863.3	80.1	863.9	864.3	865.	866.	866.1	80.1	866.2	866.6	868.	868.2	80.1
17	844.	80.	845.	845.8	846.	846.2	847.7	80.	848.	848.1	850.8	850.	80.
18	876.4	84.9	879.	879.3	880.2	882.1	882.2	84.8	882.8	883.	884.2	884.1	84.8
19	844.	83.6	846.	847.	847.1	848.9	850.2	83.6	851.	851.1	850.7	848.5	83.5
20	803.1	80.	804.	804.2	805.	805.2	805.9	80.2	805.8	806.2	806.9	807.4	80.4
22	805.8	79.	806.	805.5	806.	806.	806.	78.8	806.6	806.7	806.4	806.4	78.8
23	786.8	78.	788.	789.	789.	789.4	789.6	77.6	789.9	789.9	790.	790.	77.2
24	758.8	75.	759.	759.7	760.	760.8	761.	75.	761.	761.	761.2	761.	75.
25	811.	81.5	811.1	811.5	812.	812.	812.	81.4	816.5	817.7	817.1	817.1	81.3
26	845.5	84.5	845.8	847.8	848.4	849.	850.1	84.5	851.1	850.2	850.2	850.9	84.2
27	851.	84.5	852.	853.	853.	853.	853.	84.3	853.	857.5	856.2	856.	84.2
29	845.7	84.4	846.	846.	846.6	848.7	848.7	84.2	850.	849.3	850.	850.4	84.1
30	769.	79.4	770.	770.8	771.3	771.8	772.	79.3	772.2	772.4	773.	773.1	79.2
31	771.5	78.	772.	772.	773.	773.	773.	77.6	773.7	774.	773.8	775.5	77.2
Means	804.7	78.3	805.1	805.6	806.	806.5	806.6	78.2	807.1	807.7	808.	808.1	78.2
Reduced to 32° Fah.	169.4		170.2	171.1	171.9	172.8	173.3		173.8	174.4	174.8	174.9	

* Supplied.

Göttingen time..... Observatory time.....	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
Aug. 1.....	722.1	67.4	720.9	718.1	717.7	716.	713.7	67.3	710.6	709.2	708.7	708.2
2.....	651.	64.2	650.2	650.	649.1	648.3	648.5	64.3	648.6	648.	648.4	647.9
3.....	684.	66.8	680.	680.2	680.	680.	680.	66.7	679.3	679.	679.	678.8
4.....	715.5	69.	715.	714.	713.5	712.	712.	69.	711.3	711.	710.	710.
5.....	660.	64.	659.	658.	658.	656.5	656.	64.1	656.	655.1	655.5	653.1
6.....	670.5	66.	670.	670.	669.	669.	669.	66.	668.	669.	669.	669.9
8.....	755.	72.4	755.	755.	755.	755.	755.	72.4	755.	755.	755.	755.5
9.....	786.	74.5	785.	785.	785.	784.	783.9	74.6	783.5	783.	782.	781.7
10.....	780.	74.1	779.9	779.	779.	778.5	778.	74.	778.	778.1	778.8	779.
11.....	768.3	73.1	765.	765.	765.	764.7	765.	73.2	765.	764.2	764.1	765.
12.....	790.5	73.9	790.	789.1	788.5	789.	790.2	73.8	790.6	789.	790.	789.
13.....	777.	72.1	776.6	777.	776.1	776.	775.	72.1	775.	774.4	774.4	773.7
15.....	787.5	72.9	786.5	787.7	787.	787.	786.	72.7	786.	785.5	784.	784.
16.....	808.6	73.8	808.	806.5	805.6	805.	804.	73.4	803.	802.2	800.7	801.
17.....	806.	75.2	806.	806.	806.	806.	806.7	75.3	806.5	807.	807.	807.7
18.....	810.8	77.4	812.	811.7	812.	811.7	812.	77.5	812.	812.	812.1	813.
19.....	800.2	77.6	800.	800.2	800.	799.5	800.5	77.8	800.	800.	800.	800.
20.....	765.	74.8	764.5	763.7	763.9	762.2	761.7	74.8	761.	760.	759.8	759.
22.....	749.4	73.3	748.7	748.7	747.2	746.4	746.4	73.2	746.5	745.6	745.6	745.
23.....	743.2	71.7	742.5	742.	742.	742.7	740.4	71.8	740.5	740.5	740.2	741.9
24.....	730.	71.	730.2	730.	729.2	728.1	729.6	71.	729.9	728.9	728.4	727.1
25.....	742.9	75.2	742.6	741.8	743.6	744.6	745.	75.6	745.	744.4	745.2	744.9
26.....	789.5	77.8	788.2	788.3	788.	788.2	788.	77.9	787.4	785.5	786.	785.8
27.....	779.3	78.	783.	783.1	784.6	782.4	782.5	77.7	781.8	780.8	780.	779.7
29.....	763.9	77.	764.	763.8	763.5	763.	763.	77.2	763.	762.7	762.5	762.5
30.....	745.5	74.4	744.1	743.7	743.3	739.9	738.7	74.5	738.4	738.3	738.2	738.1
31.....	688.6	69.8	688.8	689.	689.2	689.3	689.1	69.8	689.	688.8	688.6	688.9
Means.....	750.8	72.5	750.2	749.9	749.7	749.1	748.9	72.5	748.6	748.	747.9	747.8
Reduced to 32° Fah...	204.1		203.5	203.2	203.	202.4	202.2		201.6	200.8	200.4	200.

Göttingen time Observatory time	h. m. 13 34 7 53½	Therm., Fah.	h. m. 13 40 7 59½	h. m. 13 46 8 05½	h. m. 13 52 8 11½	h. m. 13 58 8 17½	h. m. 14 04 8 23½	Therm., Fah.	h. m. 14 10 8 29½	h. m. 14 16 8 35½	h. m. 14 22 8 41½	h. m. 14 28 8 47½	Therm., Fah.
Aug. 1	707.8	67.2	707.2	706.1	705.	703.1	703.6	67.2	703.	702.2	702.	701.8	67.2
2	648.	64.4	647.8	647.6	647.8	647.3	647.5	64.5	647.5	648.	648.	648.1	64.6
3	678.4	67.	678.	679.	679.9	679.6	679.9	67.3	680.	680.	681.	682.	67.5
4	709.	68.9	709.	709.	708.6	708.	709.	68.8	708.1	710.	710.	710.	68.8
5	652.7	64.3	652.	650.2	651.	649.7	650.2	64.4	650.4	650.5	650.5	650.	64.5
6	670.	66.1	670.	670.	670.	669.5	669.6	66.2	669.5	669.5	669.5	670.9	66.3
8	755.	72.5	755.	755.	755.	755.	755.	72.6	755.5	756.	756.5	757.	72.8
9	781.5	74.8	781.	781.	781.1	781.1	781.4	75.	781.4	781.4	781.9	782.4	74.7
10	779.	73.9	779.	778.5	778.	777.2	776.5	73.8	776.7	776.	775.3	775.1	74.
11	766.	73.2	765.	764.5	764.	764.	763.1	73.3	768.2	763.	763.	763.	73.4
12	788.9	73.8	788.	787.9	787.	786.9	786.8	73.8	786.2	786.1	787.5	785.8	73.8
13	773.5	72.	772.	772.	771.6	771.2	771.1	72.	770.7	770.4	770.	770.5	72.
15	784.	72.8	783.2	783.	782.	781.5	781.	72.9	781.	780.8	780.5	780.	73.2
16	800.	73.6	799.5	799.	799.2	798.4	798.	73.7	798.	798.	799.	799.	73.8
17	808.	75.4	808.	808.	808.	807.5	807.	75.4	807.5	807.	806.8	807.	75.5
18	812.3	77.7	812.5	812.5	813.	812.6	814.1	77.9	814.	815.3	816.4	816.7	78.
19	799.9	78.	800.4	800.2	801.2	807.5	800.1	78.2	800.	799.	798.5	799.4	78.5
20	759.5	75.	757.7	758.9	758.5	758.4	758.7	75.2	759.7	759.7	760.3	760.8	75.3
22	745.	73.5	745.	744.9	744.7	743.9	743.7	73.8	743.5	743.3	743.5	744.	74.
23	739.	71.9	740.	737.6	735.9	736.2	736.4	72.	735.9	736.1	735.8	735.9	72.1
24	727.2	71.	727.2	726.7	728.1	727.	727.3	71.	726.7	726.2	726.1	725.9	71.2
25	745.6	75.9	746.	745.5	746.4	747.8	747.7	76.2	748.9	749.3	750.8	751.3	76.8
26	786.	78.	785.7	784.7	786.3	784.	783.5	78.1	783.	783.4	783.3	783.5	78.3
27	779.7	78.	780.1	779.7	779.1	778.8	779.1	78.7	779.	780.	780.8	782.1	78.9
29	762.5	77.2	762.4	762.1	762.5	762.5	762.5	77.2	763.	763.	763.	763.6	77.4
30	738.1	74.	738.1	738.2	738.1	738.1	738.2	73.8	737.7	736.5	735.4	735.9	73.6
31	688.2	70.1	688.3	688.4	688.6	691.8	691.5	70.5	691.5	691.7	692.2	692.1	70.9
Means	747.6	72.6	747.3	747.	747.	747.	746.8	72.7	746.9	746.8	747.	747.2	72.8
Reduced to 32° Fah.	199.5		198.9	198.3	198.	197.7	197.1		196.8	196.2	196.	195.7	

Göttingen time Observatory time	h. m. 11 32 5 51½	Therm., Fah.	h. m. 11 38 5 57½	h. m. 11 44 6 03½	h. m. 11 50 6 09½	h. m. 11 56 6 15½	h. m. 12 02 6 21½	Therm., Fah.	h. m. 12 08 6 27½	h. m. 12 14 6 33½	h. m. 12 20 6 39½	h. m. 12 26 6 45½	Therm., Fah.
Aug. 1	713.4	66.4	717.2	717.1	716.4	717.5	716.5	65.8	716.8	715.7	713.7	711.6	65.7
2	669.7	63.	669.7	668.2	667.4	667.7	667.3	63.	666.2	666.5	666.9	667.5	63.1
3	686.8	65.8	685.9	684.1	684.	683.7	684.	65.8	684.6	684.	684.	684.2	65.8
4	685.6	68.3	686.	686.1	685.5	684.8	684.	68.3	685.	686.	686.	687.	68.3
5	.....	64.	683.2	684.	684.3	685.	686.	63.9	681.2	676.5	678.	678.1	63.8
6	701.4	65.4	701.3	691.2	690.6	687.	684.7	65.5	684.9	680.5	678.2	678.	65.4
8	711.5	72.	712.3	712.	713.	713.2	714.5	72.	715.	715.2	716.	717.2	72.
9	714.2	74.	714.5	716.1	716.2	716.	716.2	74.1	717.2	716.9	716.	714.7	74.2
10	708.4	73.7	709.7	710.6	709.2	709.7	710.5	73.6	710.2	711.1	710.7	711.	73.7
11	706.	73.	706.6	706.	705.7	705.6	708.	72.8	708.9	710.7	711.3	712.	72.6
12	686.	73.6	686.3	684.5	684.4	684.8	685.1	73.4	685.1	687.	690.	691.2	73.2
13	.....	71.9	697.	696.	697.4	697.6	697.3	71.7	697.6	698.5	699.	699.	71.5
15	704.1	72.5	703.8	704.7	705.2	705.2	704.5	72.3	704.	704.7	705.5	706.2	72.2
16	702.9	73.5	702.5	702.	703.	701.1	701.6	73.4	702.	702.	703.5	705.	73.3
17	.....	75.	707.	706.5	706.5	707.	711.	74.9	714.2	717.9	719.2	717.5	74.8
18	715.	77.	715.	715.	711.7	718.7	720.2	76.9	721.7	718.2	719.7	720.6	76.8
19	712.2	76.9	711.6	712.2	713.7	712.9	699.	77.2	691.4	691.	692.	687.	77.5
20	708.	74.4	707.7	705.	709.	708.4	707.5	74.2	706.4	707.4	707.4	708.7	74.
22	695.1	72.9	694.2	692.2	692.	693.7	695.1	72.8	695.2	695.5	695.8	695.4	72.7
23	718.7	71.	712.7	720.	720.4	720.	726.1	71.4	721.9	725.	722.5	722.4	71.7
24	702.6	70.4	702.8	703.5	703.	705.5	704.7	70.3	714.5	712.4	710.6	711.4	70.2
25	730.	75.	732.7	735.	738.1	738.3	736.	75.7	.....	733.	730.2	736.1	75.2
26	725.	77.9	724.	724.1	725.4	725.7	726.5	77.6	727.7	728.1	729.	729.	77.4
27	731.	77.7	733.4	737.2	733.6	735.1	737.5	77.2	738.1	741.6	739.9	737.2	77.4
29	718.9	76.4	719.	717.6	717.5	717.4	717.2	76.7	717.4	717.6	718.5	719.	76.7
30	721.7	73.7	720.9	718.9	716.7	715.5	713.	73.7	712.8	711.9	713.9	714.3	73.4
31	706.3	68.4	706.2	705.6	705.	705.	705.	68.7	705.	705.	705.	705.	70.4
Means	707.3	72.	706.	705.8	706.1	706.	705.9	71.9	704.9	705.9	706.	706.2	72.
Reduced to 32° Fah.	602.9		602.	601.8	602.1	602.1	602.		601.3	602.	602.	602.2	

Göttingen time / Observatory time	h. m. 21 02 / 15 21½	Therm., Fah.	h. m. 21 08 / 15 27½	h. m. 21 14 / 15 33½	h. m. 21 20 / 15 39½	h. m. 21 26 / 15 45½	h. m. 21 32 / 15 51½	Therm., Fah.	h. m. 21 38 / 15 57½	h. m. 21 44 / 16 03½	h. m. 21 50 / 16 09½	h. m. 21 56 / 16 15½
93 Aug. 1	684.4	69.	683.4	679.4	677.2	667.7	680.2	69.	689.	688.5	689.	681.5
2	700.5	70.	700.	696.8	699.7	699.	698.	70.4	698.5	697.4	696.3	697.3
3	.....	74.4	683.7	700.	696.7	696.1	698.2	74.7	692.5	703.	700.5	701.2
4	664.	70.3	668.7	671.	675.5	670.7	669.2	70.5	670.	672.5	667.	667.5
5	686.	67.	683.	685.7	685.2	680.5	679.	67.	680.3	687.9	690.	690.
6	715.5	74.2	719.6	727.5	736.6	741.5	737.	74.6	736.6	734.2	719.7	715.
8	701.4	78.	708.7	712.1	710.	707.3	704.6	78.5	705.	701.	698.5	697.1
9	722.4	77.2	721.4	720.7	720.7	720.	717.	77.4	709.2	715.5	719.2	715.5
10	708.1	76.5	707.4	709.	706.	702.5	702.4	76.6	701.5	701.	705.2	710.7
11	.....	78.	721.	721.7	720.5	720.9	719.3	78.1	720.2	719.	716.7	719.
12	711.2	76.	707.3	704.5	710.	704.	702.	76.	707.5	700.9	710.3	719.
13	699.8	74.4	698.7	698.5	697.	697.	698.1	75.	694.5	696.1	697.	696.7
15	706.	78.4	707.5	707.	706.5	707.7	707.7	78.9	710.6	709.5	706.2	705.2
16	698.	79.1	698.6	697.	699.2	703.9	708.	79.4	707.3	706.	707.5	708.7
17	706.7	79.	703.2	701.4	703.	694.1	697.5	79.2	696.2	711.9	702.7	707.2
18	707.7	83.2	706.7	705.7	707.7	702.2	699.	83.5	697.5	699.	698.3	700.3
19	680.	82.2	684.3	673.	696.4	705.6	688.2	82.2	678.4	684.6	671.2	687.
20	687.4	79.2	686.6	692.	699.7	693.6	684.4	79.5	682.2	684.3	701.5	723.2
22	737.1	78.2	734.5	733.3	735.2	737.1	739.6	78.5	741.7	740.7	741.	741.2
23	713.	76.9	714.8	713.	713.7	711.1	710.	77.	710.1	713.	711.8	713.4
24	701.5	74.2	702.2	700.2	700.	708.3	716.1	74.5	708.7	707.2	716.	721.
25	736.9	81.	736.4	735.1	732.2	730.3	729.	81.	730.	737.	736.7	736.8
26	733.2	83.	732.	729.5	733.	736.	739.4	83.3	742.	731.2	731.7	733.9
27	725.5	83.8	729.7	724.3	726.	738.5	723.6	84.	721.6	719.5	718.8	720.
29	713.	82.	710.5	712.5	710.	715.2	724.	82.	730.5	732.3	731.2	730.2
30	719.2	76.5	721.	719.7	721.2	722.	723.4	76.8	724.5	725.1	725.1	724.9
31	716.3	76.4	716.4	715.2	717.	716.4	720.4	76.9	725.6	725.	723.7	722.2
Means	707.	77.	706.9	706.9	708.7	708.5	708.	77.1	707.8	709.	708.6	710.6
Reduced to 32° Fah.	590.		589.9	589.8	591.6	591.3	590.7		590.3	591.3	590.7	592.5

Göttingen time Observatory time	h. m. 22 02 16 21½	Therm., Fah.	h. m. 22 08 16 27½	h. m. 22 14 16 33½	h. m. 22 20 16 39½	h. m. 22 26 16 45½	h. m. 22 32 16 51½	Therm., Fah.	h. m. 22 38 16 57½	h. m. 22 44 17 03½	h. m. 22 50 17 09½	h. m. 22 56 17 15½	Therm., Fah.
Aug. 1	676.2	69.1	673.	676.5	682.5	685.2	680.2	69.2	679.5	680.7	683.9	681.	69.3
2	697.2	70.9	698.4	699.7	698.8	697.9	698.2	71.5	697.5	698.2	700.	701.	72.
3	699.7	75.	699.	696.	699.4	709.5	702.2	75.4	697.5	698.5	705.7	711.	75.7
4	668.	70.2	671.2	671.	666.2	662.4	660.7	70.	670.	667.6	669.2	673.7	70.
5	688.8	67.	686.4	688.	687.	685.5	689.5	67.3	686.1	686.7	691.	692.	67.6
6	702.	75.	711.5	712.2	717.2	717.5	714.	75.	713.7	732.1	729.5	731.2	75.
8	694.7	78.8	697.	701.5	707.7	719.4	718.2	79.1	718.6	725.2	731.6	731.1	79.4
9	717.1	77.4	716.7	715.2	711.3	716.7	717.5	77.4	719.	721.2	722.7	722.2	77.4
10	717.7	76.4	716.7	717.	720.3	724.	726.2	76.2	725.3	726.5	728.5	735.8	76.
11	717.7	78.8	719.5	719.	718.	717.2	716.3	79.	713.3	716.3	716.	.....	79.2
12	728.6	76.2	728.7	721.	709.	712.1	712.2	76.2	709.8	708.	707.7	705.6	76.2
13	696.	75.3	694.7	693.9	693.	695.	694.7	75.7	698.	689.5	692.7	690.	76.
15	712.4	79.3	710.2	710.7	707.7	710.	710.2	79.8	715.	713.	714.4	714.2	80.1
16	710.5	79.8	710.	713.2	713.5	711.7	712.	80.	712.4	712.	714.	713.	80.2
17	705.7	79.6	706.2	707.1	703.9	709.	708.	79.8	707.	707.	706.2	709.2	80.
18	704.1	83.8	705.8	711.2	714.	716.	721.8	84.2	726.9	724.7	720.7	731.2	84.6
19	699.8	82.5	697.5	693.	709.2	718.2	734.3	82.8	748.8	746.1	746.	746.5	83.
20	736.6	79.8	740.7	728.8	714.5	705.4	703.2	80.	701.7	704.7	715.9	721.	80.2
22	738.2	78.6	740.9	740.	743.	748.	748.2	78.6	752.4	755.2	756.7	760.	78.6
23	714.	77.	712.1	710.	711.8	712.2	709.7	77.	716.2	719.7	718.7	718.5	77.
24	711.6	74.7	702.3	702.	704.1	705.7	710.1	75.	721.1	722.3	733.	731.2	75.2
25	738.6	81.	743.	753.1	755.3	746.	745.2	81.2	741.8	750.	746.	746.5	81.4
26	733.5	83.7	740.2	746.	751.2	756.7	753.	84.2	747.5	747.5	752.2	753.	83.6
27	720.4	84.1	723.	727.7	737.	740.8	743.5	84.1	736.8	734.7	740.2	745.2	84.1
29	731.	82.9	736.	737.4	734.7	737.	734.7	83.	734.6	734.2	734.	735.	83.2
30	727.8	77.	730.8	732.	734.	735.	733.5	77.6	733.2	734.9	738.	737.	78.
31	725.1	77.2	724.6	723.7	724.4	724.	725.	77.5	724.5	724.7	722.	725.2	78.
Means	711.6	77.5	712.4	712.8	713.4	715.5	715.6	77.7	716.6	717.4	719.9	721.6	77.8
Reduced to 32° Fah	593.3		594.	594.3	594.8	596.8	596.8		597.7	598.5	600.9	602.5	

Göttingen time..... Observatory time.....	h. m. 1 02 19 21½	Therm., Fah.	h. m. 1 08 19 27½	h. m. 1 14 19 33½	h. m. 1 20 19 39½	h. m. 1 26 19 45½	h. m. 1 32 19 51½	Therm., Fah.	h. m. 1 38 19 57½	h. m. 1 44 20 03½	h. m. 1 50 20 09½	h. m. 1 56 20 15½
Aug. 1	.....	70.	684.	683.7	686.2	687.4	685.7	70.	683.9	684.2	684.2	686.9
2	705.4	72.5	707.	708.9	712.1	708.	710.8	72.	712.	711.3	711.	709.5
3	.....	75.	.....	710.9	710 2	709.2	710.9	74.8	710.9	711.7	711.1	709.
4	667.2	69.8	658.9	654.4	648.5	658.7	673.5	69.6	690.7	700.	702.7	702.4
5	723.4	68.	719.1	717.6	719.7	719.	715.5	67.9	712.2	709.5	708.4	705.
6	.....	74.3	.....	704.2	704.2	693.7	695.8	74.2	702.6	707.	706.	711.2
8	737.	78.5	732.1	736.5	743.3	742.7	746.8	78.2	747.2	751.	749.1	751.5
9	.....	78.	722.	722.5	720.7	720.2	719.7	77.9	719.	718.2	718.5	718.
10	727.9	76.	728.1	727.2	728.	727.1	726.	75.8	725.2	725.2	725.2	724.3
11	725.5	78.6	723.7	725.6	723.7	723.2	723.5	78.5	723.2	725.7	726.7	727.4
12	716.	75.6	717.2	717.7	718.	717.1	717.1	75.	715.2	715.4	715.5	712.7
13	713.4	75.	710.2	712.5	712.9	714.2	711.7	75.	714.6	714.3	715.2	716.2
15	724.	80.2	723.1	725.2	724.5	722.5	722.1	80.	722.8	723.2	723.2	724.7
16	712.9	79.4	713.	711.2	711.	713.	715.	79.	719.	718.	714.4	707.7
17	709.9	79.7	711.7	707.7	706.6	707.5	709.2	79.6	711.7	713.7	716.5	712.3
18	730.	84.1	729.3	729.1	731.2	731.	730.3	83.6	728.9	728.1	727 1	725.7
19	737.7	82.5	744.2	743.3	742.6	742.8	743.3	82.1	742.9	743.7	718.5	706.6
20	721.	80.	721.	722.3	721.8	721.	722.5	79.6	724.6	725.7	725.7	721.2
22	749.1	77.5	744.5	740.5	742.3	747.	740.9	77.1	744.	749.5	757.	758.5
23	736.7	76.1	736.9	737.7	738.2	737.2	737.7	75.6	737.	737.8	738.7	737.8
24	744.	75.	732.5	721.4	715.5	711.9	714.7	74.9	723.8	720.7	717.4	727.6
25	752.9	81.	754.5	751.7	744.5	742.4	744.5	80.6	744.3	747.7	750.6	755.
26	758.2	84.	755.5	757.5	754.9	764.8	771.9	83.8	773.	763.2	765.8	765.7
27	747.5	83.6	749.2	750.	748.	747.	748.	83.	749.	748.8	750.	752.2
29	738.9	83.5	739.	737.	740.	740.4	741.	83.	737.5	736.9	736.7	736.6
30	730.3	77.6	730.	730.	730.7	731.	731.5	77.2	731.9	730.6	731.2	730.5
31	725.1	76.5	725.	723.9	723.7	724.	723.6	76.3	726.	724.3	724.7	724.5
Means	727.6	77.5	724.5	722.6	722.3	722.4	723.5	77.2	724.9	725.4	724.9	724.5
Reduced to 32° Fah.	608.		605.7	604.6	604.5	604.7	606.		607.6	608.3	608.	607.8

Göttingen time / Observatory time	h. m. 2 02 / 20 21½	Therm., Fah.	h. m. 2 08 / 20 27½	h. m. 2 14 / 20 33½	h. m. 2 20 / 20 39½	h. m. 2 26 / 20 45½	h. m. 2 32 / 20 51½	Therm., Fah.	h. m. 2 38 / 20 57½	h. m. 2 44 / 21 03½	h. m. 2 50 / 21 09½	h. m. 2 56 / 21 15½	Therm., Fah.
Aug. 1	685.	69.7	686.8	686.3	687.4	694.	694.8	69.5	684.5	685.	681.6	683.1	69.1
2	708.9	71.1	708.4	707.3	703.7	704.	703.6	70.4	703.6	703.9	703.8	704.7	70.
3	709.	74.3	710.	709.	709.8	710.4	708.	74.	705.2	702.	694.	691.5	73.8
4	708.	69.5	698.2	699.5	699.8	709.2	716.7	69.4	722.5	730.2	734.9	742.2	69.3
5	703.1	67.9	702.1	701.5	699.7	697.8	701.	67.9	705.8	705.6	705.4	702.2	67.9
6	710.	74.	709.7	706.9	705.2	705.3	698.3	74.	699.6	706.4	712.4	714.5	74.
8	749.6	78.	747.	745.2	745.	742.8	743.	78.	740.2	738.4	737.	734.3	77.8
9	717.	77.8	718.7	720.	720.7	720.7	720.7	77.7	717.5	713.7	714.7	717.	77.6
10	725.2	75.7	724.	724.	723.	721.7	720.	75.6	718.8	717.1	716.5	716.4	75.6
11	724.8	78.3	726.2	724.8	724.	721.8	715.8	78.2	719.4	719.2	721.7	720.7	78.
12	713.1	74.2	713.2	717.2	714.1	703.8	701.2	73.6	706.4	710.2	714.	711.4	73.
13	718.7	74.9	721.6	717.8	719.8	715.	713.5	74.9	716.1	717.7	720.3	719.	74.7
15	725.	79.7	725.9	727.	726.6	726.	726.	79.5	726.	725.8	727.1	727.	79.3
16	708.9	78.8	709.4	708.2	708.7	711.	711.5	78.7	713.2	711.	710.4	711.5	78.6
17	708.8	79.3	699.	705.6	710.7	711.1	707.6	79.1	705.7	710.2	716.2	715.2	79.
18	725.	83.	725.1	726.	725.7	724.4	722.9	82.8	726.2	727.	726.9	726.6	82.6
19	713.1	81.5	722.	727.	725.	723.1	722.5	80.9	720.8	718.	719.1	720.2	80.3
20	712.6	78.3	705.3	702.3	699.1	702.2	706.7	78.	713.4	718.	720.9	720.3	77.7
22	759.3	76.5	755.2	751.2	749.7	753.	759.5	76.3	764.3	769.	771.3	771.4	76.
23	736.3	74.9	734.2	734.3	735.	735.	734.4	74.3	732.9	732.3	732.1	732.8	73.8
24	734.5	74.9	741.2	739.4	740.	742.2	748.5	74.9	747.5	746.9	743.9	743.	75.
25	756.7	80.2	750.8	738.2	734.7	738.	742.2	79.9	739.7	739.6	741.	735.2	79.6
26	769.1	83.3	768.6	757.	748.5	752.8	751.2	83.1	734.7	732.8	739.4	743.1	82.7
27	752.5	82.4	750.2	750.6	749.1	750.	748.3	81.8	747.7	747.	744.5	744.2	81.4
29	736.6	82.	737.	736.2	735.	735.	734.	81.5	733.9	733.1	734.	733.8	81.
30	731.	76.9	731.1	730.7	730.7	730.5	730.7	76.7	730.7	732.1	731.3	730.4	76.5
31	725.4	76.1	725.7	726.	726.	725.2	725.7	75.8	725.4	724.5	724.9	725.7	75.6
Means	724.7	76.8	723.9	722.9	722.1	722.4	722.5	76.7	722.3	722.8	723.7	723.7	76.3
Reduced to 32° Fah.	608.2		607.4	606.5	605.8	606.2	606.3		606.3	607.	608.1	608.3	

Göttingen time..... Observatory time.....	h. m. 15 32 9 51½	Therm., Fah.	h. m. 15 38 9 57½	h. m. 15 44 10 03½	h. m. 15 50 10 09½	h. m. 15 56 10 15½	h. m. 16 02 10 21½	Therm., Fah.	h. m. 16 08 10 27½	h. m. 16 14 10 33½	h. m. 16 20 10 39½	h. m. 16 26 10 45½
Aug. 1.....	713.9	66.	711.	707.5	707.	705.	704.8	66.	703.	700.7	699.	697.
2.....	.....	65.	720.2	723.7	723.	722.8	723.	65.2	722.8	720.8	718.8	717.3
3.....	725.2	68.	725.7	725.5	725.5	723.7	725.5	68.3	725.6	718.	724.4	723.2
4.....	730.7	68.	730.	729.5	728.2	727.5	726.7	68.	724.9	723.3	722.3	720.2
5.....	707.5	63.1	708.	713.2	715.5	713.8	708.7	63.2	711.5	712.7	710.4	711.6
6.....	.....	....	.....	.....	.....	716.6	723.	68.4	721.6	726.9	732.	734.5
8.....	738.2	72.8	737.	737.	739.2	736.8	736.5	73.	734.2	733.2	734.9	737.6
9.....	745.3	74.6	741.9	744.5	745.7	744.	741.3	75.	739.8	742.7	743.1	738.3
10.....	731.5	73.2	732.5	730.5	729.	726.5	725.5	73.2	722.7	722.	722.2	723.2
11.....	726.	73.	725.5	726.	726.4	725.7	724.	73.	724.3	725.1	725.6	726.4
12.....	726.3	73.	729.	726.5	.....	727.5	725.	73.1	723.3	726.9	727.9	728.3
13.....	720.2	71.2	719.	717.5	714.5	713.3	720.2	71.2	718.9	718.5	717.	717.7
15.....	736.1	73.2	735.7	736.1	737.	736.7	736.5	73.5	736.2	735.4	734.3	733.3
16.....	718.	74.7	717.	717.5	715.5	723.	716.	75.1	717.	715.	712.2	715.2
17.....	736.7	75.2	738.5	742.4	741.3	740.5	742.3	75.5	743.5	744.7	746.1	745.9
18.....	.....	78.	742.	745.7	747.7	741.	740.4	78.3	739.3	741.9	739.	739.3
19.....	760.4	78.6	760.5	757.8	768.1	774.1	773.1	79.	785.2	786.9	785.6	781.7
20.....	731.5	75.4	728.6	727.	724.7	723.	722.8	75.7	722.3	721.	722.	719.
22.....	732.	74.2	731.6	732.6	730.1	727.7	731.3	74.6	728.7	727.9	725.5	728.
23.....	749.1	73.	751.	754.2	758.1	760.2	760.1	73.5	761.8	764.	762.3	762.5
24.....	.....	70.7	733.	727.	726.	725.1	728.4	71.	729.2	729.5	733.9	732.3
25.....	766.5	77.2	766.5	766.3	769.8	773.3	775.7	77.5	774.	775.	772.1	772.1
26.....	766.8	78.7	768.2	768.	767.	764.7	764.8	79.3	762.	761.	760.	766.
27.....	769.3	79.	767.8	767.3	767.	765.8	767.7	79.3	766.4	765.	764.8	762.5
29.....	771.2	77.2	770.8	768.6	767.7	769.4	771.6	77.5	768.3	767.2	766.6	766.6
30.....	744.9	72.6	749.9	744.	745.1	745.8	740.2	72.8	741.4	739.1	747.9	746.
31.....	739.	71.1	738.9	739.	738.	736.5	735.9	71.4	734.5	735.5	733.7	732.3
Means.....	738.5	72.9	737.7	737.8	738.3	736.7	736.7	73.	736.4	736.3	736.4	736.2
Reduced to 32° Fah...	631.4		631.1	631.1	631.5	630.3	630.1		629.6	629.3	629.2	628.8

Göttingen time Observatory time	h. m. 16 32 10 51½	Therm., Fah.	h. m. 16 38 10 57½	h. m. 16 44 11 03½	h. m. 16 50 11 09½	h. m. 16 56 11 15½	h. m. 17 02 11 21½	Therm., Fah.	h. m. 17 08 11 27½	h. m. 17 14 11 33½	h. m. 17 20 11 39½	h. m. 17 26 11 45½	Therm., Fah.
Aug. 1	694.5	66.2	690.6	689.3	690.6	689.5	688.3	66.5	687.4	685.5	685.3	684.	66.7
2	717.9	65.5	718.1	716.7	715.7	712.6	714.6	65.9	712.6	710.8	708.	707.	66.3
3	722.6	68.8	721.3	720.5	720.8	721.4	.....	69.2	.....	.....	.....	.....	....
4	719.1	68.3	717.1	715.2	716.8	703.	700.1	68.6	699.7	700.2	698.2	696.9	68.9
5	703.6	63.8	700.6	706.	712.3	711.	710.8	64.4	709.	710.2	709.2	709.5	65.
6	733.2	69.2	735.4	737.3	739.2	734.1	731.7	70.	719.2	722.1	730.	723.2	70.6
8	735.1	73.4	736.9	736.1	733.7	731.7	732.	73.8	732.	732.	730.7	730.7	74.2
9	734.1	75.5	731.2	731.6	731.9	733.	731.4	76.	729.1	728.5	728.	727.4	76.4
10	724.1	73.6	725.	727.	727.4	724.7	727.	73.9	725.	722.5	719.	718.	74.2
11	726.	73.2	726.	723.8	727.1	728.	728.9	73.6	728.6	730.7	731.4	734.1	74.
12	729.	73.2	724.8	725.	726.1	726.7	725.2	73.4	724.8	723.1	724.1	724.	73.7
13	716.	71.2	714.2	714.	713.8	715.2	715.8	71.8	715.1	710.7	706.8	710.7	72.5
15	733.2	73.8	732.5	733.2	731.1	727.4	726.8	74.2	725.6	724.9	723.6	723.3	74.6
16	713.	75.5	712.7	711.1	709.	708.2	707.3	76.	705.6	704.2	703.1	701.6	76.2
17	744.	76.	744.2	743.3	742.6	741.2	741.4	76.5	744.2	743.1	743.3	739.5	76.7
18	737.8	78.7	737.1	738.	741.5	741.3	739.5	79.1	732.1	725.2	723.6	722.1	79.4
19	778.	79.4	771.9	.....	763.	757.6	762.8	79.8	760.5	746.2	728.7	731.3	80.1
20	713.7	76.1	716.2	718.9	723.1	723.	720.5	76.5	721.	719.8	718.7	721.	76.7
22	727.2	74.9	727.5	724.4	725.6	723.7	722.2	75.3	719.4	722.	718.9	715.7	75.6
23	766.	74.	768.	769.2	769.	768.5	769.6	74.4	769.8	770.	769.4	764.2	74.7
24	724.	71.1	727.2	741.5	746.8	750.9	758.2	71.5	757.7	755.1	748.3	740.2	71.8
25	766.1	78.2	763.	760.2	759.3	755.4	752.	78.7	752.5	750.7	747.5	750.4	79.
26	755.1	79.8	754.	754.5	753.7	754.	749.7	80.3	747.7	744.2	741.8	736.9	80.5
27	762.6	79.6	761.7	761.1	759.4	760.	759.7	80.1	761.	758.8	760.1	759.	80.5
29	765.1	77.9	764.4	759.9	758.6	759.6	759.	78.3	757.5	756.3	752.	746.	78.8
30	745.5	73.	746.2	745.1	743.1	742.4	740.8	73.5	738.1	737.4	736.8	736.	73.8
31	732.1	71.5	730.5	729.9	730.3	730.7	730.2	71.9	730.2	728.3	727.5	727.	72.3
Means	734.	73.4	733.3	732.	733.8	732.4	732.5	73.6	731.	729.3	727.5	726.1	74.3
Reduced to 32° Fah.	626.4		625.6	624.8	625.9	624.4	623.9		622.	619.9	617.7	616.	

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	6 00	6 06	6 12	6 18	6 24	6 30	6 36	6 42	6 48	6 54
Observatory time	0 19½	0 25½	0 31½	0 37½	0 43½	0 49½	0 55½	1 01½	1 07½	1 13½
Sept. 1	565.5	565.8	566.	565.9	565.6	565.	565.	565.	565.4	565.1
2	568.4	570.3	568.5	568.2	570.7	572.5	571.2	573.2	574.4	572.2
3	551.4	552.	553.9	561.7	560.5	560.	.....	559.	559.6	560.1
5	560.4	566.	.....	576.	577.	575.1	574.	575.1	575.8	573.7
6	565.2	564.7	564.8	564.7	565.5	565.9	565.3	563.3	562.9	562.3
7	561.4	562.3	562.2	562.4	562.4	562.7	563.	563.1	563.5	563.
8	564.6	566.5	568.	568.9	568.6	567.8	568.2	568.2	568.6	568.1
9	564.7	564.6	564.5	564.4	564.6	564.8	565.	565.	565.2	565.1
10	562.1	562.9	563.3	562.2	562.1	562.2	561.8	562.6	562.6	563.1
12	574.6	574.	573.	572.1	571.1	570.8	571.6	573.1	573.4	572.8
13	561.8	561.8	562.	563.1	563.3	563.3	565.	566.3	566.8	567.7
14	558.4	553.9	552.2	549.2	549.4	550.9	553.	555.8	558.	563.8
15	565.8	566.8	567.6	568.	567.9	570.7	565.5	565.8	567.	567.2
16	568.3	567.9	567.3	566.3	566.8	567.5	566.2	565.5	564.8	564.6
17	572.2	576.	580.3	584.	585.5	586.9	585.	582.4	580.6	579.7
19	558.9	559.	560.5	561.7	562.1	562.6	563.5	563.4	561.6	559.4
20	567.8	566.8	566.4	566.	566.3	566.6	566.1	565.4	565.5	567.
21	567.6	568.4	568.3	568.4	570.2	573.1	572.1	575.2	576.5	575.
22	569.7	564.4	568.6	569.8	563.2	561.2	562.5	560.8	560.8	561.5
23	566.6	567.4	570.7	574.4	576.1	577.8	578.3	577.5	578.6	578.5
24	579.3	579.3	579.	577.8	578.8	579.7	577.9	576.7	577.2	576.6
26	574.6	575.4	575.3	574.9	576.	576.5	577.1	577.3	576.5	576.1
27	573.	573.5	574.	573.9	573.9	574.9	575.9	576.7	577.6	578.5
28	570.1	569.8	568.6	567.5	567.9	568.	569.3	569.4	569.7	568.6
29	579.7	578.5	577.4	577.9	580.5	584.1	584.8	583.	581.1	580.3
30	570.2	570.1	569.9	569.6	568.3	571.3	570.1	569.4	569.8	570.2
Means	567.	567.3	567.7	568.4	568.6	569.3	569.5	568.4	569.4	569.2

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	7 00	7 06	7 12	7 18	7 24	7 30	7 36	7 42	7 48	7 54
Observatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 13½
Sept. 1	565 3	565.7	565.	566.	566.1	566.1	566.2	565.7	565.6	565.2
2	571.7	570.6	568.	567.	577.5	580.7	585.2	581.4	579.8	571.7
3	561.5	561.3	560.6	560.	559.1	559.5	560.	560.1	560.2	560.2
5	571.9	570.1	567.9	566.	563.6	564.1	565.9	566.6	567.	566.
6	561.2	561.1	559.8	561.2	562.5	562.9	563.5	564.8	564.8	564.3
7	563.1	563.6	563.5	563 2	563.9	564.9	564.	567.	564.6	564.8
8	567.5	567.3	567.6	568.	567.2	566.8	566.4	567.4	568.3	568.2
9	565.3	565.6	565.7	566.	565.9	566.	566.1	566.2	566.2	566.2
10	563.5	564.7	565.7	565.2	563.8	564.8	564.4	564.5	564.	563.9
12	571.1	569.1	568.	566.4	566.3	566.8	568.2	569.	569.3	570.
13	568.4	568.2	.....	565.7	564.9	564.2	563.7	564.4	563.2	565.6
14	.....	565.	566.5	567.3	.....	569.2	569.4	568.5	568.7	568.8
15	567.9	567.9	567.9	568.3	568.	567.7	567.3	561.7	555.5	553.7
16	564.7	569.5	570.2	570.5	571.3	571.7	571.3	569.1	566.9	565.7
17	579.7	578.8	578.8	577.7	577.4	578.3	579.1	580.2	581.3	580.6
19	.....	556.8	557.8	559.2	561.8	564.2	566.4	567.5	566.7	565.2
20	568.8	569.	569.3	570.7	571.9	570.1	570.4	571.6	573.	572.
21	571.2	564.	563.4	558.4	555.7	555.8	555.8	557.6	561.5	568.1
22	563.7	565.	563.4	560.6	561.4	564.2	566.	565.8	565.2	565.9
23	580.4	586.5	586.8	585.5	581.2	578.6	578.6	574.1	571.6	572.5
24	576.9	577.6	578.	578.9	580.5	582.2	583.2	583.8	584.7	584.4
26	576.3	576.3	575.4	575.5	575.5	577.2	.....	*577.8	578.3	578.9
27	578.8	579.7	580.5	581.1	581.2	581.3	581.3	581.6	581.2	581.1
28	568.	567.3	568.7	568.8	568.3	568.	568.2	568.3	568.4	568.3
29	577.7	577.	576.1	576.2	576.3	577.7	578.8	578.9	579.2	579.9
30	570.1	570.6	569.5	569.3	568.6	567.1	564.1	561.6	561.1	562.5
Means	569.8	569.6	569.4	568.6	568.8	569.2	569.3	569.4	569.1	569.

* Two minutes late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	18 00	18 06	18 12	18 18	18 24	18 30	18 36	18 42	18 48	18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
Sept. 1	549.	549.2	549.7	549.5	549.5	550.1	550.1	550.6	550.8	550.3
2	547.4	547.7	548.1	548.6	547.6	547.9	550.3	550.2	551.4	551.6
3	553.	553.1	554.	554.	554.	554.	554.1	554.9	555.	555.1
5	545.2	545.2	544.6	543.5	542.7	542.2	542.3	543.	543.5	544.9
6	555.9	555.5	555.4	555.2	555.	555.	554.	554.3	554.3	554.1
7	548.	548.	548.2	548.	547.6	548.3	548.6	549.1	548.6	549.1
8	547.8	547.3	546.8	546.4	546.1	545.2	544.7	544.2	545.1	545.5
9	549.1	549.	549.4	.....	.....	549.	548.6	548.	547.1	546.9
10	551.	550.9	550.	550.	550.	549.1	549.2	549.6	549.7	549.6
12	557.8	557.6	557.	555.4	555.7	554.2	553.8	553.5	553.3	553.3
13	555.	555.	554.5	554.2	554.1	554.3	554.1	554.5	554.5	554.7
14	557.2	556.9	557.1	557.4	556.9	556.9	556.9	557.2	557.	557.1
15	555.	554.8	554.8	554.5	554.	554.4	554.	554.	554.	553.1
16	557.	556.4	556.1	556.	556.2	555.9	555.9	555.9	555.3	555.4
17	555.	554.9	555.2	555.1	555.4	555.4	555.2	554.6	555.1	554.7
19	556.5	556.1	555.9	555.4	556.	556.7	556.7	557.3	558.	558.
20	554.6	556.	554.8	554.	553.4	554.3	556.4	554.5	555.	555.2
21	554.6	554.5	554.2	553.5	553.6	552.7	552.	552.7	551.	550.4
22	559.5	559.3	559.2	558.	557.3	558.2	558.4	557.3	556.8	555.3
23	567.5	567.6	567.5	566.4	566.1	565.3	564.7	564.9	565.3	566.
24	571.1	570.5	570.8	570.5	571.	570.6	570.4	570.	568.8	568.6
26	577.	576.5	575.8	576.	575.3	575.4	575.1	574.7	574.2	573.7
27	572.5	573.	573.6	573.9	574.6	576.4	575.	575.1	575.	575.1
28	560.4	560.7	560.5	560.8	560.2	560.4	559.6	559.5	560.5	560.5
29	576.	577.2	577.5	578.	578.4	578.2	578.6	578.5	578.2	578.3
30	567.4	567.2	567.	567.2	566.7	566.5	566.	566.4	566.7	567.
Means	557.7	557.7	557.6	557.7	557.5	557.2	557.1	557.1	557.1	557.1

Göttingen time	h. m. 2 00	h. m. 2 06	h. m. 2 12	h. m. 2 18	h. m. 2 24	h. m. 2 30	h. m. 2 36	h. m. 2 42	h. m. 2 48	h. m. 2 54
Observatory time	20 19½	20 25½	20 31½	20 37½	20 43½	20 49½	20 55½	21 01½	21 07½	21 13½
Sept. 1	563.3	563.8	563.8	564.8	564.8	564.	563.7	564.	563.	562.5
2	564.2	567.	570.7	574.3	581.2	585.2	582.	578.	576.4	575.
3	572.	573.2	573.5	573.4	571.6	569.	568.4	570.	570.2	568.9
5	562.9	562.8	562.6	562.4	562.6	563.3	563.5	563.	563.1	563.
6	564.1	565.2	565.	565.2	564.3	564.8	565.1	565.8	566.5	566.
7	563.7	563.5	564.	564.5	563.7	564.	563.2	565.	563.8	563.5
8	567.6	565.5	564.1	564.2	566.	568.8	569.	568.9	569.	569.6
9	562.4	562.1	562.4	563.	562.	563.1	563.	562.8	562.	562.
10	559.5	559.	559.2	559.2	559.6	560.	560.	560.8	562.5	563.5
12	564.	561.	563.	564.9	565.	567.6	569.	571.	571.	571.
13	572.	569.	570.1	571.8	571.8	571.4	573.	571.9	572.	572.9
14	563.7	563.6	563.6	563.	562.3	564.9	562.6	562.6	562.9	563.
15	565.6	565.1	564.1	565.	563.5	563.8	564.1	564.	563.7	563.9
16	561.	563.2	563.7	563.3	565.7	568.1	568.2	568.	566.	566.
17	563.3	563.1	563.1	563.2	563.2	563.6	563.4	563.5	563.1	563.4
19	571.5	578.4	576.5	575.	581.	581.5	582.2	583.7	574.7	571.8
20	573.5	571.1	567.	563.5	563.8	563.8	563.2	563.5	563.6	565.2
21	576.4	573.	574.1	572.9	570.2	567.	567.6	567.5	565.5	564.3
22	583.7	584.9	579.2	573.9	572.1	571.2	570.9	570.	569.5	568.1
23	576.9	577.6	576.2	576.5	576.	575.1	575.	575.8	576.8	576.4
24	571.9	572.	571.6	571.6	571.6	571.2	571.1	570.8	570.8	570.3
26	569.4	569.5	569.	569.2	569.2	569.3	569.6	569.4	568.7	568.2
27	570.5	570.8	571.	571.	570.7	571.	570.5	570.4	570.3	570.
28	574.	570.8	568.4	567.	567.4	567.1	566.8	567.5	567.7	568.
29	577.7	575.	.....	.....	.....	.....	.....	.....	.....	.....
30	577.2	578.7	579.1	578.2	575.2	576.	576.6	576.2	575.9	575.1
Means	568.9	568.8	568.2	568.	568.2	568.6	568.5	568.6	568.	567.7

Göttingen time / Observatory time	h. m. 3 00 / 21 19½	h. m. 3 06 / 21 25½	h. m. 3 12 / 21 31½	h. m. 3 18 / 21 37½	h. m. 3 24 / 21 43½	h. m. 3 30 / 21 49½	h. m. 3 36 / 21 55½	h. m. 3 42 / 22 01½	h. m. 3 48 / 22 07½	h. m. 3 54 / 22 13½
Sept. 1	562.4	562.7	562.9	563.2	†563.	562.7	562.4	564.5	565.5	565.
2	575.7	569.2	568.4	567.8	566.7	567.	565.2	564.7	563.6	564.
3	567.3	568.1	567.8	567.2	567.9	568.6	569.1	569.2	569.6	568.6
5	563.6	563.	562.3	562.	562.1	561.7	561.7	561.9	562.5	562.4
6	566.1	565.	566.1	570.9	573.	573.4	574.9	576.9	574.3	571.3
7	564.5	564.7	567.	566.	.....	.....	.....	565.2	565.	565.
8	568.8	567.9	567.2	567.	566.4	565.5	564.9	564.7	564.8	564.9
9	*562.	561.9	561.7	561.7	561.8	561.9	562.	562.2	561.8	562.6
10	564.	563.5	563.8	563.	562.2	563.3	564.2	566.9	569.	569.
12	570.6	567.3	567.2	566.5	568.6	567.2	570.9	571.1	571.3	577.
13	573.8	570.9	571.2	572.2	571.9	571.5	569.9	567.9	570.6	572.5
14	563.	563.	562.9	564.	565.	564.4	563.9	564.	563.9	564.
15	564.1	564.2	563.7	563.7	563.6	563.6	563.9	564.4	564.6	563.6
16	569.3	569.2	566.8	565.8	560.2	557.8	559.3	561.	565.4	567.2
17	563.	562.8	562.6	563.	562.9	563.3	562.7	563.2	563.6	563.5
19	571.6	571.8	577.	574.9	573.1	569.8	568.7	570.	570.7	570.3
20	564.	561.7	564.3	563.6	563.4	563.1	563.7	564.4	565.2	565.9
21	565.5	566.7	566.2	565.6	565.1	565.6	566.	566.2	565.4	565.8
22	569.1	569.2	567.4	567.1	566.	566.2	566.2	567.2	567.1	567.3
23	576.	576.2	576.8	576.1	575.3	574.5	575.	575.	575.4	577.
24	570.7	570.7	570.2	570.3	570.5	571.	570.3	570.1	570.	569.6
26	563.	569.	567.3	568.5	.....	568.8	569.	568.6	568.2	567.9
27	569.7	569.2	569.7	569.6	570.	570.	569.2	569.	568.8	569.2
28	568.5	567.2	567.1	567.3	567.	568.5	569.	570.	569.9	569.1
29	.....	574.	573.5	571.9	.....	569.3	569.1	569.6	569.7	566.5
30	572.	571.5	572.2	571.9	572.	571.5	572.8	572.5	572.2	572.2
Means	567.5	567.3	567.4	567.3	566.9	566.8	567.	567.3	567.6	567.7

* Two minutes late. † One minute late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	13 00	13 06	13 12	13 18	13 24	13 30	13 36	13 42	13 48	13 54
Observatory time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
Sept. 1	576.4	575.5	574.5	574.1	573.7	573.4	572.8	572.8	571.9	571.9
2	.....	.....	.....	.....	.....	.....	.....	.....	578.1	578.1
3	571.5	573.	575.5	576.3	574.9	574.3	573.7	572.9	573.5	573.2
5	582.5	583.3	583.4	583.7	583.9	584.	584.	583.6	582.5	581.9
6	578.	578.	577.3	577.1	576.7	576.4	574.3	574.6	573.1	572.9
7	579.2	579.1	578.9	578.6	578.6	579.5	579.6	579.1	577.9	577.1
8	574.	572.1	571.8	571.3	570.9	570.3	568.1	567.7	567.6	567.7
9	580.3	581.	581.5	581.5	582.	582.2	581.9	581.	579.7	579.4
10	576.7	576.7	576.6	576.6	576.7	576.2	*575.2	575.5	574.8	573.7
12	574.6	575.4	576.1	576.5	576.1	574.2	573.8	575.6	575.8	575.5
13	575.7	576.	571.6	572.1	571.5	571.8	575.1	576.5	574.2	570.1
14	576.7	576.9	576.5	575.3	574.9	574.9	574.7	573.1	573.2	572.4
15	574.4	574.6	575.	574.7	572.6	572.	571.2	570.2	570.8	571.5
16	570.	569.2	570.1	570.	567.9	564.	559.9	556.8	556.2	557.2
17	575.1	575.9	574.8	573.5	573.7	573.9	574.5	574.	573.8	572.8
19	577.	577.	576.	574.	.....	574.6	575.2	575.	575.5	575.4
20	580.	577.9	577.7	579.3	581.3	579.7	579.7	578.6	578.8	580.3
21	576.2	577.6	576.4	575.1	575.	573.3	576.2	577.3	575.5	575.
22	578.	575.9	576.6	577.7	577.4	576.6	577.5	574.6	577.1	577.6
23	589.1	589.2	589.4	589.4	589.9	588.5	590.1	589.7	589.	590.
24	586.4	587.4	588.	588.4	588.6	588.8	589.5	588.6	589.4	589.
26	.....	582.5	582.1	584.6	582.4	582.2	582.2	581.	582.4	583.4
27	582.	582.	582.	582.	582.1	582.7	582.9	582.	583.7	584.2
28	569.1	570.1	571.1	569.7	569.5	568.7	568.2	569.8	569.8	570.7
29	579.2	580.	579.5	580.2	577.1	576.8	575.9	576.3	577.1	578.3
30	574.2	574.8	574.7	575.1	575.4	575.7	575.2	574.	574.1	574.1
Means	577.3	577.6	577.5	577.5	577.2	576.6	576.4	576.	576.	575.9

* Two minutes late.

Göttingen time Observatory time	h. m. 22 04 16 23½	Therm., Fah.	h. m. 22 10 16 29½	h. m. 22 16 16 35½	h. m. 22 22 16 41½	h. m. 22 28 16 47½	h. m. 22 34 16 53½	Therm., Fah.	h. m. 22 40 16 59½	h. m. 22 46 17 05½	h. m. 22 52 17 11½	h. m. 22 58 17 17½
Sept. 1	744.3	78.9	746.	747.	747.	747.2	748.	79.1	750.7	751.6	750.7	753.6
2	833.3	81.	834.1	832.5	833.7	834.2	834.	81.3	831.7	831.8	838.7	835.7
3	837.1	82.5	837.	837.3	837.	838.	838.	82.5	838.	838.	838.	838.
5	807.2	79.5	807.2	804.8	800.	794.7	795.1	80.	801.	802.7	805.1	802.9
6	806.4	76.	805.1	804.1	803.7	803.8	804.3	76.	808.5	809.5	809.8	810.1
7	811.1	76.2	811.1	812.	812.	813.	813.1	76.9	810.	810.	810.	812.3
8	851.	77.5	852.	850.5	851.2	851.6	851.7	77.3	850.8	851.	850.2	849.7
9	872.2	79.	873.	873.7	873.8	873.4	873.6	79.3	873.8	873.6	873.8	874.1
10	705.3	72.5	705.8	706.	706.7	707.	707.1	72.6	707.9	708.	707.9	708.
12	869.2	85.	871.8	873.	873.	875.	876.5	85.2	876.9	877.9	878.	880.
13	846.8	81.3	846.8	846.2	846.	845.	844.1	80.8	844.	844.1	844.	844.
14	722.	70.	721.9	721.5	721.	721.	720.9	69.8	720.	720.	720.1	720.
15	690.6	69.9	691.	691.	691.	691.3	691.9	70.	692.	692.	692.8	692.9
16	684.7	68.5	685.	686.	686.	686.	686.	68.6	687.	687.	687.4	.....
17	694.	69.1	694.7	695.6	696.	696.8	697.4	69.2	698.	699.	700.	700.
19	763.2	76.8	764.4	767.	769.6	772.7	774.3	78.	777.2	779.7	783.1	786.1
20	748.	72.	748.4	748.	747.6	747.	747.2	71.9	747.	747.	746.1	745.4
21	772.9	74.8	772.2	772.	772.	771.	770.1	74.3	770.	769.	768.9	768.
22	749.	73.	748.5	748.7	747.	748.6	749.	73.5	750.	751.	751.7	752.5
23	763.2	74.	762.	761.	760.	759.7	759.	74.8	759.	759.	759.1	760.1
24	804.7	78.3	804.5	805.	805.	805.	805.	78.	804.8	804.5	804.2	804.2
26	808.2	78.	808.	807.1	807.	806.5	806.	78.1	806.4	806.1	806.7	807.
27	831.	80.	831.6	831.8	831.9	832.	832.9	80.5	833.	833.8	834.	835.
28	737.1	74.	738.1	739.6	740.8	741.1	742.3	74.5	745.	746.	746.7	747.
29	836.5	79.5	836.	836.	835.4	835.4	835.1	79.2	835.	834.	834.1	834.
30	818.5	78.	818.1	819.	819.	817.8	818.7	77.5	819.1	819.5	819.7	820.
Means	784.9	76.4	785.2	785.2	785.1	785.2	785.4	76.8	786.	786.4	787.	791.2
Reduced to 32° Fah	185.5		185.5	185.2	184.9	184.7	184.7		185.2	185.5	186.	186.4

Göttingen time Observatory time	h. m. 23 04 17 23½	Therm., Fah.	h. m. 23 10 17 29½	h. m. 23 16 17 35½	h. m. 23 22 17 41½	h. m. 23 28 17 47½	h. m. 23 34 17 53½	Therm., Fah.	h. m. 23 40 17 59½	h. m. 23 46 18 05½	h. m. 23 52 18 11½	h. m. 23 58 18 17½	Therm., Fah.
Sept. 1	754.	79.2	755.	756.	757.1	758.	758.7	79.1	760.	760.	761.	761.2	79.
2	831.6	81.4	831.3	831.	831.	832.	833.	81.7	833.9	840.	838.2	838.7	82.
3	837.	82.5	836.	837.	837.	837.	837.	82.3	837.	837.	837.	837.	82.3
5	800.7	80.	805.7	801.	798.	799.	799.	80.	799.	800.7	801.	804.	80.
6	816.7	75.9	835.2	810.3	809.6	811.	813.	75.7	812.5	813.	809.5	811.	75.5
7	812.7	77.	813.5	814.	814.5	816.1	816.5	77.	816.	816.6	816.2	816.9	77.
8	850.5	77.2	849.9	850.1	850.1	850.	850.	77.1	855.2	854.	853.1	853.	77.
9	874.9	79.5	876.	876.	877.5	877.8	879.	79.8	879.	879.	880.	880.	80.
10	708.	72.5	708.1	708.	708.	708.	708.2	72.5	708.4	709.	708.7	709.3	72.6
12	880.	85.5	881.	882.	883.	884.	885.	85.5	887.	887.	888.2	888.4	85.5
13	843.6	80.2	843.	842.	840.	839.	838.	79.7	837.5	836.2	836.	835.	79.2
14	719.2	69.7	719.2	719.	719.	719.	718.4	69.5	718.	718.	717.7	717.9	69.3
15	693.8	70.1	694.	694.	695.	695.	695.	70.	695.	695.	697.	696.6	70.
16	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	....
17	700.	69.5	700.	701.	701.1	701.9	702.	69.5	702.	703.	703.6	704.6	69.5
19	793.4	80.	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	....
20	745.	71.7	744.4	744.1	743.	743.	743.	71.5	743.	741.1	741.	741.	71.2
21	767.	74.	766.	765.	764.	763.	763.5	73.3	761.	760.	759.	758.6	72.8
22	753.8	73.5	754.	755.	756.	757.	756.7	72.7	757.	756.	757.5	758.	72.
23	761.4	75.	763.	*764.4	764.	764.	766.	75.1	768.9	769.	768.7	770.7	75.2
24	803.5	77.	803.	802.	801.5	800.	799.5	76.7	800.	799.2	798.8	798.	76.3
26	807.1	78.1	808.	808.	808.2	809.	809.4	77.8	810.	810.	810.	810.1	77.5
27	835.5	80.4	835.8	836.	836.	836.	837.	80.1	837.	837.7	838.6	839.	79.8
28	749.	74.7	750.	751.	753.	754.	755.5	74.7	756.	758.	758.8	759.7	74.7
29	833.8	79.	833.3	833.	833.	*832.9	832.9	79.	833.	832.	832.	832.	79.
30	815.7	77.3	816.	816.	815.5	815.	815.	77.	814.7	815.	814.	814.	76.5
Means	791.5	76.8	792.5	791.5	791.5	791.7	792.1	76.5	792.5	792.7	792.7	793.1	76.4
Reduced to 32° Fah.	186.6		189.5	188.9	189.3	189.9	190.8		191.7	192.3	192.7	193.6	

* One minute late.

Göttingen time Observatory time	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
Sept. 1	699.3	71.2	698.4	698.7	697.6	697.3	696.9	71.3	697.	697.	696.8	697.
2	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....
3	766.	76.	767.5	769.9	773.9	777.8	779.5	76.	779.9	779.	778.	777.2
5	764.8	75.	764.4	763.8	763.	762.3	762.2	75.	762.3	762.6	763.1	763.3
6	780.9	73.	784.6	786.	788.3	788.6	792.7	73.2	802.9	803.2	803.7	802.9
7	723.4	68.8	726.3	729.3	734.9	736.4	734.8	68.8	734.7	734.5	734.2	734.1
8	801.2	71.1	801.3	801.4	801.6	802.	802.2	71.3	802.6	802.	801.5	801.
9	837.5	75.	838.	838.	838.2	837.9	838.	75.1	838.	838.5	839.	839.1
*10	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....
12	767.8	74.9	771.2	771.4	771.2	771.4	775.8	75.2	769.6	769.6	770.7	771.5
13	822.	78.8	822.	821.9	821.1	819.4	819.3	78.8	819.3	818.1	818.	818.
14	752.2	71.4	751.9	751.4	750.5	749.9	749.5	71.4	749.	748.5	748.2	747.5
15	685.	67.4	685.	685.	685.	685.	684.7	67.3	684.2	683.8	683.2	682.9
16	682.4	67.	682.	681.4	680.8	680.2	679.7	66.9	679.6	679.1	679.	677.4
17	659.5	63.7	659.2	658.2	657.1	656.6	656.1	63.7	655.	654.2	654.	653.5
19	†651.5	63.4	651.	650.5	650.	650.	650.	63.4	650.	649.	649.	649.
20	824.5	76.5	824.	823.4	822.9	822.6	821.4	76.5	821.1	820.7	820.9	820.
21	775.	74.1	775.	775.2	776.2	776.4	777.1	74.2	776.5	776.3	776.1	775.9
22	800.6	75.7	800.2	800.	799.6	799.2	798.5	75.4	798.7	798.6	798.1	797.4
23	752.	69.8	752.	752.	751.6	750.5	747.4	69.8	744.5	§739.1	735.9	734.8
24	755.7	71.3	755.1	755.	755.	755.	755.	71.4	754.3	754.1	750.	749.7
26	785.3	72.2	783.9	782.1	780.6	‡778 8	778.5	72.	777.6	775.7	773.4	774.
27	780.8	74.6	781.5	783.3	784.6	786.6	787.6	74.4	788.2	787.1	786.2	785.6
28	684.3	65.3	683.7	682.8	681.9	681.6	681.2	65.1	679.9	677.3	675.8	675.
29	835.	78.2	835.	836.	836.	836.	836.	78.7	836.	836.2	836.1	836.4
30	825.5	77.8	825.2	825.4	826.1	826.9	827.	78.2	827.2	827.4	827.9	828.5
Means	758.8	72.2	759.1	759.3	759.5	759.5	759.6	72.2	759.5	758.8	758.3	758.
Reduced to 32° Fah.	216.5		216.7	216.8	216.9	216.8	216.8		216.3	215.2	214.3	213.6

* Spider's web attached to the mirror. † Supplied. ‡ Two minutes late. § One minute late.

Göttingen time / Observatory time	h. m. 13 34 / 7 53½	Therm., Fah.	h. m. 13 40 / 7 59½	h. m. 13 46 / 8 05½	h. m. 13 52 / 8 11½	h. m. 13 58 / 8 17½	h. m. 14 04 / 8 23½	Therm., Fah.	h. m. 14 10 / 8 29½	h. m. 14 16 / 8 35½	h. m. 14 22 / 8 41½	h. m. 14 28 / 8 47½	Therm., Fah.
Sept. 1	696.2	71.2	696.2	695.5	695.5	696.4	695.6	71.5	696.7	697.1	697.	696.7	71.8
2	.....	....	.....	.....	757.3	757.2	756.8	73.2	758.1	758.7	759.1	761.	73.7
3	777.9	76.2	777.1	776.7	776.7	774.7	776.1	76.3	778.5	779.	778.9	773.7	76.7
5	763.6	75.	763.7	763.7	763.3	763.7	763.6	75.5	763.6	763.9	764.1	764.4	75.8
6	802.4	73.	802.	801.8	801.6	800.4	799.7	72.8	799.1	798.5	796.9	795.8	72.5
7	734.	68.8	734.3	733.6	733.5	733.	733.	68.9	733.	733.	733.	732.5	69.
8	800.7	71.4	797.8	800.2	800.	800.	800.2	71.7	800.	800.1	800.	800.7	72.
9	839.6	75.4	839.3	839.7	839.6	839.6	840.4	75.4	840.2	840.6	841.	841.	75.5
*10	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	....
12	773.	75.6	769.2	767.7	771.3	771.4	770.9	75.9	766.2	768.	768.1	769.	76.5
13	818.	78.7	817.9	817.3	816.2	815.8	816.	78.8	815.3	815.1	815.6	815.9	79.3
14	747.	71.4	746.5	746.1	745.8	745.5	744.7	71.3	744.8	744.	744.	743.8	71.3
15	682.9	67.3	683.	682.6	682.6	682.1	682.3	67.2	682.	682.	682.	681.7	67.4
16	677.1	66.8	677.2	677.6	677.9	677.7	677.8	66.8	677.2	677.	676.7	676.4	66.7
17	653.5	64.1	652.9	652.9	652.5	652.8	653.	64.5	653.1	653.	‡653.1	653.	64.5
19	649.	63.4	649.	649.	648.5	648.	648.	63.5	†648.	648.	646.9	648.1	63.5
20	819.8	76.5	818.8	818.5	818.3	818.7	818.2	76.5	817.8	817.6	817.	816.6	76.5
21	776.8	74.4	778.3	778.3	779.1	780.4	781.	75.2	781.8	782.7	784.3	785.1	75.8
22	797.6	75.3	797.1	797.5	797.2	797.2	796.8	75.	796.7	796.5	797.	795.5	75.
23	733.5	70.6	733.9	733.8	733.7	735.	736.2	71.5	737.	737.7	738.8	739.5	72.5
24	749.5	71.2	750.7	750.1	749.	748.	746.7	71.	745.2	744.	743.5	743.2	72.3
26	772.9	72.9	772.5	771.8	771.5	771.5	771.4	73.7	771.7	772.	773.2	774.	74.4
27	785.	75.	784.8	785.2	784.7	784.8	785.1	75.7	785.9	786.4	787.3	788.2	77.1
28	674.4	65.	673.3	672.6	672.1	670.7	670.	65.	669.7	669.1	669.	668.8	64.8
29	836.4	79.	836.6	836.6	837.	837.6	838.	79.3	838.	838.	838.2	839.	79.5
30	829.3	78.5	830.1	831.	831.6	831.3	832.4	78.8	832.8	833.4	833.8	834.2	78.8
Means	757.9	72.4	757.6	757.5	757.5	757.3	757.4	72.7	757.3	757.4	757.5	757.5	72.8
Reduced to 32° Fah.	213.1		211.9	210.9	210.	208.8	208.		207.6	207.4	207.1	206.7	

* Spider's web attached to the mirror. † Supplied. ‡ Two minutes late.

Göttingen time / Observatory time	h. m. 11 32 / 5 51½	Therm., Fah.	h. m. 11 38 / 5 57½	h. m. 11 44 / 6 03½	h. m. 11 50 / 6 09½	h. m. 11 56 / 6 15½	h. m. 12 02 / 6 21½	Therm., Fah.	h. m. 12 08 / 6 27½	h. m. 12 14 / 6 33½	h. m. 12 20 / 6 39½	h. m. 12 26 / 6 45½	Therm., Fah.
Sept. 1	712.6	70.5	712.8	713.3	713.4	713.8	715.	70.4	716.3	716.9	718.	718.3	70.4
2	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	....
3	745.	77.2	740.	738.8	737.9	736.1	733.4	77.2	734.9	737.3	739.8	740.9	77.2
5	718.2	74.4	718.5	718.5	719.	719.4	721.	74.6	722.	724.	724.7	727.2	74.6
6	762.	72.6	759.4	757.7	754.7	752.5	747.1	72.7	745.4	744.3	744.1	743.7	72.7
7	720.5	67.8	720.3	720.	720.	720.3	720.6	67.7	722.1	722.8	723.8	726.1	68.2
8	723.5	73.7	722.3	721.	721.	721.	721.	73.7	721.	721.	723.8	726.8	73.7
9	737.	74.5	*735.1	734.5	734.7	734.3	732.8	74.5	735.9	734.2	730.3	729.1	74.7
10	741.2	70.8	740.6	740.3	739.3	738.5	737.7	70.8	739.	740.6	743.4	744.6	70.8
12	.....	....	.....	.....	.....	.....	726.6	74.7	728.	728.7	731.4	733.4	74.5
13	759.5	78.4	757.2	756.3	758.8	752.8	753.8	78.4	751.4	755.7	754.4	753.	78.2
14	751.5	70.3	751.5	751.6	750.4	749.2	748.4	70.3	751.1	751.3	751.9	753.1	70.
15	716.9	66.5	716.7	716.3	716.1	715.6	715.2	66.5	715.2	715.7	715.5	716.	66.5
16	718.3	71.6	717.8	717.5	716.5	717.9	717.7	68.2	718.	718.1	720.	723.	66.3
17	709.4	62.8	709.1	708.5	708.2	707.8	707.6	62.8	707.2	707.	707.	707.2	62.6
19	701.0	63.	701.2	701.2	703.2	704.8	706.1	62.8	707.1	707.	708.1	.....	62.7
20	698.7	71.8	699.6	697.5	698.2	698.2	699.7	71.7	698.9	701.	703.3	709.5	71.5
21	693.2	69.	697.5	698.6	691.2	693.5	696.6	69.1	699.2	704.	709.5	714.8	69.3
22	688.6	70.6	688.9	689.6	683.2	680.2	678.3	70.7	676.9	675.8	674.7	674.6	70.4
23	683.2	65.8	684.5	684.9	689.6	690.7	691.8	65.7	692.4	693.4	693.4	695.1	65.7
24	682.5	67.8	679.1	679.4	681.2	681.1	683.5	67.7	681.9	684.8	686.9	688.7	67.6
26	738.6	69.4	740.6	743.	740.9	742.4	744.1	68.8	744.1	745.9	748.2	746.8	68.4
27	747.8	69.	748.	749.2	750.2	753.2	754.5	69.5	753.9	752.2	752.1	752.8	70.
28	739.	64.6	739.	739.5	739.6	740.1	739.1	64.5	738.7	738.6	737.9	737.8	64.4
29	.....	74.2	.....	750.5	744.2	741.5	740.	74.2	750.8	750.5	751.5	*752.	74.2
30	.....	73.8	751.6	747.3	742.6	744.1	740.8	73.8	739.2	737.7	735.3	734.	73.8
Means	722.2	70.5	723.1	724.	723.1	722.9	722.9	70.6	723.6	724.3	725.2	727.	70.4
Reduced to 32° Fah	627.		627.4	627.8	626.9	626.7	626.4		627.2	628.	629.	630.9	

* One minute late.

	h. m.	Therm., Fah.	h. m.	h. m.	h. m.	h. m.	h. m.	Therm., Fah.	h. m.	h. m.	h. m.	h. m.
Göttingen time.....	21 02		21 08	21 14	21 20	21 26	21 32		21 38	21 44	21 50	21 56
Observatory time.....	15 21½		15 27½	15 33½	15 39½	15 45½	15 51½		15 57½	16 03½	16 09½	16 15½
Sept. 1.....	714.2	77.2	715.2	716.	719.7	722.4	723.4	77.7	720.8	721.	721.	720.
2.....	*769.	78.5	769.7	766.8	757.8	758.7	741.2	78.5	756.	742.2	749.	735.2
3.....	737.7	80.7	734.7	736.	734.	736.	729.8	81.	729.	735.2	740.7	741.7
5.....	758.4	79.	762.	757.6	756.2	756.	752.2	79.2	749.6	746.4	741.2	740.
6.....	731.	74.	730.3	730.2	729.3	729.2	726.	74.2	725.9	723.9	725.	726.
7.....	711.9	75.	732.3	730.2	729.2	724.2	728.5	75.5	725.2	729.5	727.5	731.1
8.....	731.8	76.7	733.2	734.6	737.6	736.	736.	76.9	735.5	735.2	733.9	732.9
9.....	778.	78.8	781.4	791.1	788.8	780.5	770.8	78.8	761.6	756.	756.9	755.
10.....	745.4	71.2	744.7	747.6	747.2	743.6	742.	71.3	738.	737.4	739.6	742.4
12.....	.....	84.	757.7	757.	756.5	757.5	762.4	84.3	760.	770.2	771.4	776.5
13.....	762.	81.	766.	759.2	752.	755.3	755.	80.7	755.4	757.	756.	757.2
14.....	737.5	68.9	739.	736.	735.	735.	739.5	68.8	738.9	739.	738.	734.2
15.....	736.9	69.1	738.5	739.	738.8	738.4	739.8	69.4	737.5	738.7	738.5	740.5
16.....	723.2	67.4	725.2	725.4	727.9	728.7	728.8	67.8	727.5	727.7	729.	729.1
17.....	.....	67.6	721.5	724.7	723.	722.2	717.3	67.8	723.	724.	723.7	721.4
19.....	702.5	70.5	714.2	719.7	708.6	717.7	719.	71.5	697.3	688.5	673.7	677.
20.....	736.	69.	734.8	733.5	726.3	720.9	719.5	69.1	716.3	717.5	721.5	718.7
21.....	719.5	73.2	715.9	709.3	713.9	719.5	722.8	73.1	719.2	718.3	719.1	719.2
22.....	707.4	68.1	694.7	700.	696.5	700.	699.	68.2	695.	686.8	690.	690.2
23.....	684.2	70.	689.5	685.8	683.5	690.	701.	70.	692.2	695.7	692.	700.
24.....	691.7	74.2	686.8	686.3	688.	688.7	700.7	74.3	699.7	697.2	700.	700.
26.....	758.7	74.9	759.4	757.7	758.	758.7	757.7	74.8	755.	752.2	752.5	753.
27.....	769.7	76.8	768.5	767.8	769.7	770.2	772.3	77.2	773.2	773.7	774.	776.2
28.....	746.	71.4	744.2	743.2	747.7	746.2	748.2	72.	747.2	744.7	747.	743.2
29.....	768.8	77.5	768.2	769.4	771.7	770.7	770.	77.5	771.1	771.	774.	775.
30.....	.....	75.2	761.8	759.2	759.5	756.5	760.	75.3	762.6	763.3	762.7	764.7
Means.....	735.7	74.2	738.1	737.8	736.8	737.	737.	74.4	735.1	734.3	734.5	734.6
Reduced to 32° Fah...	630.7		632.5	632.1	631.	631.1	631.		629.	628.1	628.1	628.1

* One minute late.

Göttingen time Observatory time	h. m. 22 02 16 21½	Therm., Fah.	h. m. 22 08 16 27½	h. m. 22 14 16 33½	h. m. 22 20 16 39½	h. m. 22 26 16 45½	h. m. 22 32 16 51½	Therm., Fah.	h. m. 22 38 16 57½	h. m. 22 44 17 03½	h. m. 22 50 17 09½	h. m. 22 56 17 15½	Therm., Fah.
Sept. 1	724.2	78.2	726.2	725.2	726.	729.2	728.3	78.8	726.8	727.7	729.5	728.5	79.3
2	734.4	80.	740.4	750.	756.4	763.2	754.	80.5	750.	754.	759.	763.6	81.
3	741.1	81.5	741.2	744.2	753.	753.5	757.7	81.6	749.7	750.	752.	753.7	81.7
5	740.	79.5	745.2	732.8	732.	736.	736.	79.8	742.	744.5	746.	746.2	80.
6	729.3	74.5	731.1	732.5	736.	737.8	740.2	74.7	738.7	736.5	740.5	735.6	74.9
7	729.2	76.	740.5	736.2	731.	732.	733.5	76.5	732.4	734.4	728.5	731.4	77.
8	734.8	77.	734.	734.8	726.1	733.7	729.7	76.9	725.5	726.1	727.6	730.7	76.8
9	758.	78.9	762.2	763.3	761.2	760.2	761.	79.	762.1	760.	761.	761.	79.1
10	744.	71.4	744.7	744.4	746.4	751.9	757.1	71.5	762.8	760.5	756.4	751.	71.7
12	778.7	84.8	787.6	774.5	772.	782.2	786.2	85.	774.9	768.3	780.	782.	85.2
13	760.	80.	760.	762.7	759.5	756.2	771.5	79.6	760.1	772.9	773.5	781.	79.3
14	732.	68.7	735.	735.	733.7	733.	733.	68.7	732.	732.1	732.9	733.	68.7
15	740.	69.6	739.	741.6	743.7	745.8	749.2	69.6	747.5	747.5	747.9	747.	69.6
16	724.2	67.8	724.5	725.7	728.6	729.5	729.5	67.8	731.6	731.6	731.	728.	67.8
17	721.	68.	725.9	729.4	732.	730.1	731.	68.	732.5	731.	726.4	725.	68.
19	686.7	72.5	687.7	706.7	711.7	704.7	712.7	73.6	715.	725.	726.2	727.	74.5
20	730.	69.2	728.5	728.4	724.7	726.	726.	69.2	721.	719.	717.7	716.	69.3
21	721.5	72.8	723.3	726.4	739.	738.3	740.5	72.5	743.	744.6	750.	746.7	72.
22	688.	68.5	703.2	720.6	703.2	697.5	692.7	69.8	706.2	696.2	702.	711.	69.8
23	694.7	70.	698.7	699.5	696.	697.7	703.7	70.1	692.5	700.	704.	706.	70.1
24	700.2	74.2	703.	698.2	696.5	695.5	698.2	74.	695.	696.1	699.5	696.5	74.
26	752.3	74.7	753.5	753.7	756.	759.5	760.	75.	758.7	759.7	761.	761.	75.3
27	773.5	77.5	773.5	775.2	774.5	772.	774.5	78.	776.	778.7	781.	780.	78.4
28	744.7	72.8	745.5	746.5	752.2	760.	766.5	73.5	775.5	780.2	781.5	779.6	74.
29	773.2	77.3	773.5	774.	773.2	771.7	772.7	77.2	775.5	773.	.....	773.5	77.1
30	763.5	75.5	764.2	771.	772.	769.2	771.2	75.4	779.5	783.	787.5	788.3	75.3
Means	735.4	74.6	738.2	739.7	740.3	741.1	742.9	74.9	742.6	743.6	744.1	745.5	75.
Reduced to 32° Fah.	628.8		631.5	632.9	633.4	634.	635.8		635.4	636.3	636.9	638.	

Göttingen time..... Observatory time.....	h. m. 1 02 19 21½	Therm., Fah.	h. m. 1 08 19 27½	h. m. 1 14 19 33½	h. m. 1 20 19 39½	h. m. 1 26 19 45½	h. m. 1 32 19 51½	Therm., Fah.	h. m. 1 38 19 57½	h. m. 1 44 20 03½	h. m. 1 50 20 09½	h. m. 1 56 20 15½
Sept. 1.....	732.9	78.5	732.	731.7	731.	731.2	730.2	78.3	730.3	729.4	731.3	730.3
2.....	.....	80.9	778.	774.	765.8	767.1	772.7	80.8	776.1	776.	773.7	774.
3.....	781.9	81.7	774.	766.7	763.	762.6	762.2	81.5	761.2	757.	757.4	760.2
5.....	753.5	80.	753.5	751.7	753.	752.	750.	80.	751.	749.	752.	750.
6.....	737.9	74.5	739.	737.1	737.	736.4	737.	74.4	735.2	736.	737.	738.5
7.....	740.2	76.5	740.	740.	740.7	740.5	740.	76.5	740.	740 5	740.7	741.
8.....	760.	75.8	762.	764.	763.6	762.7	763.	75.8	761.	757.	758.	753.3
9.....	*754.	79.3	753.8	755.1	757.2	757.9	756.5	79.2	757.2	757.1	758.	757.2
10.....	731.3	71.6	728.3	729.1	729.4	730.1	729.3	71.6	728.3	729.3	731.5	732 8
12.....	778.9	85.5	786.2	775.2	767.8	771.8	775.	85.	782.5	784.	784.	783.6
13.....	783.6	77.5	785.5	784.8	784.9	783.1	784.1	77.3	784.	793.	792.5	784.
14.....	729.1	68.4	729.	728.8	730.	731.8	731.3	68.3	731.1	729.4	733.6	735.
15.....	744.	69.4	745.	748.	750.	750.3	750.2	69.4	750.	749.2	747.	746.5
16.....	744.	68.2	746.	747.1	749.	749.	749.7	68.1	751.2	752.	750.3	747.7
17.....	724.9	67.6	724.7	723.7	723.5	722.2	722.6	67.4	722.3	722.	720 9	719.9
19.....	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....
20.....	767.5	68.8	765.2	768.2	770.	763.	749.5	68.7	732.5	721.2	715.9	721.9
21.....	736.5	70.8	743.5	747.5	739.9	713.5	696.	71.	691.5	683.5	693.8	697.2
22.....	700.2	67.9	702.5	705.2	700.5	704.6	702.2	67.7	690.	690.7	690.2	686.9
23.....	695.5	72.	698.2	693.	691.2	697.2	698.2	72.	698.5	694.	694.2	700.
24.....	711.2	72.6	710.6	711.4	712.9	712.4	712.9	72.2	713.4	713.6	713.7	712.1
26.....	764.7	74.	764.	762.7	762.	763.	764.	74.	764.	765.2	766.	765.8
27.....	.....	76.8	775.	773.	772.5	772.	771.3	76.6	771.	771.4	770.2	771.
28.....	766.7	74.2	768.	767.2	766.5	763.7	759.3	74.	757.1	751.2	750.	752.
29.....	776.	76.9	774.	775.5	770.	772.1	775.	76.5	778.1	780.	782.	782.
30.....	*764.2	74.3	767.	765.	762.2	765.	767.1	74.2	771.	770.7	768.5	771.3
Means.....	746.9	74.5	749.9	748.	747.7	747.	746.	74.4	745.1	744.1	744.5	744.6
Reduced to 32° Fah...	641.4		643.6	641.7	641.5	640.8	639.9		639.2	638.4	639.	639.2

* One minute late.

Göttingen time Observatory time	h. m. 2 02 20 21½	Therm., Fah.	h. m. 2 08 20 27½	h. m. 2 14 20 33½	h. m. 2 20 20 39½	h. m. 2 26 20 45½	h. m. 2 32 20 51½	Therm., Fah.	h. m. 2 38 20 57½	h. m. 2 44 21 03½	h. m. 2 50 21 09½	h. m. 2 56 21 15½	Therm., Fah.
Sept. 1	731.7	78.1	730.	723.3	721.	720.5	721.	79.9	721.	724.6	725.2	727.7	77.7
2	775.7	80.	771.9	774.2	771.	764.8	756.1	80.	758.	757.7	759.8	759.	80.
3	763.7	81.4	763.	762.	760.3	758.8	759.7	81.3	760.2	753.5	748.2	746.	81.2
5	750.1	79.7	748.7	750.	751.	751.2	750.4	79.5	751.	759.6	761.7	760.2	79.3
6	740.3	74.1	740.3	739.2	739.	733.	736.1	73.9	736.6	737.6	737.8	738.	73.7
7	741.7	76.	741.1	741.1	739.2	738.7	739.	75.8	739.	740.	740.5	735.5	75.6
8	750.9	75.6	749.	747.	747.	742.7	739.6	75.4	740.3	737.5	739.	737.7	75.2
9	757.	79.	753.2	752.1	755.	754.7	755.7	78.8	754.	753.8	754.	753.	78.6
10	734.4	71.4	736.7	734.	735.7	735.5	734.9	71.2	736.	739.3	743.1	746.2	71.
12	790.4	84.6	796.	792.	782.	775.2	772.5	84.2	777.1	775.9	771.	780.7	83.8
13	779.	77.	777.2	768.2	762.8	760.7	761.	76.7	759.	755.	755.	751.2	76.5
14	734.2	68.4	734.1	735.2	734.7	736.2	735.9	68.4	735.2	735.1	734.2	731.2	68.4
15	744.5	69.2	745.4	744.	742.2	742.1	742.	69.	741.	739.5	738.2	735.4	69.
16	747.2	68.	745.2	743.7	746.	745.2	745.2	67.9	744.	742.5	744.	743.8	67.8
17	720.4	67.2	720.4	720.6	720.2	719.7	719.1	67.1	718.2	718.7	718.2	718.1	67.
19	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	....
20	721.4	68.1	723.	726.4	728.	727.7	727.3	67.8	728.	724.1	723.2	723.7	67.6
21	720.2	71.7	714.7	716.5	706.6	706.2	713.1	72.	712.	709.2	711.2	709.5	72.7
22	677.	67.7	668.7	671.	673.7	677.8	686.5	67.7	688.	686.7	692.	700.9	67.7
23	696.7	71.6	693.5	695.2	696.5	701.	697.4	71.4	701.5	695.2	698.5	699.6	71.
24	712.6	71.3	713.8	710.9	710.3	709.8	709.5	70.8	710.2	712.	711.1	711.	70.3
26	765.2	73.	765.9	765.	764.7	763.7	763.	72.	763.	761.2	761.6	763.	71.4
27	770.3	76.	770.7	771.	770.	770.	769.5	75.4	769.8	770.	769.5	770.	75.
28	755.2	73.8	760.4	763.	762.7	763.8	766.	73.6	768.	767.9	767.9	768.8	73.4
29	777.5	76.	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	....
30	770.5	73.5	765.7	763.6	762.1	766.5	765.4	73.2	764.1	764.8	766.	766.	73.
Means	745.1	74.1	742.9	742.1	740.9	740.2	740.2	73.8	740.6	740.2	740.5	740.8	73.6
Reduced to 32° Fah	639.9		637.8	637.1	636.1	635.5	635.7		636.2	636.	636.4	636.8	

Göttingen time..... Observatory time.....	h. m. 15 32 9 51½	Therm., Fah.	h. m. 15 38 9 57½	h. m. 15 44 10 03½	h. m. 15 50 10 09½	h. m. 15 56 10 15½	h. m. 16 02 10 21½	Therm., Fah.	h. m. 16 08 10 27½	h. m. 16 14 10 33½	h. m. 16 20 10 39½	h. m. 16 26 10 45½
Sept. 1	760.5	71.7	761.	759.	761.3	759.	758.5	72.	755.6	756.4	756.2	754.9
2	779.	75.	784.3	778.6	782.9	782.6	774.1	75.2	772.6	767.4	765.1	760.9
3	.....	76.6	774.	773.6	774.2	772.2	770.4	76.8	768.2	765.6	763.	762.7
5	789.1	76.	788.1	791.	791.	795.	796.1	76.4	798.3	800.4	783.5	799.6
6	781.5	71.3	770.7	767.5	765.9	763.	760.3	71.6	759.	756.	758.6	753.4
7	.....	69.4	767.7	770.9	769.8	770.3	771.7	69.8	769.6	773.4	773.2	770.3
8	762.3	71.8	763.3	763.7	763.5	759.	755.6	72.4	753.2	750.7	757.3	749.7
9	780.7	75.2	782.6	782.4	782.1	781.	780.3	75.5	783.	786.	786.5	†787.6
10	751.2	69.3	762.	759.2	758.6	760.	759.7	69.3	759.6	759.9	759.8	760.6
12	765.5	77.	765.9	765.3	765.8	763.6	767.3	78.3	766.2	766.6	766.5	766.
13	776.2	78.8	776.7	782.1	782.	778.2	778.8	79.2	776.	775.4	775.6	773.1
14	.....	69.3	777.4	776.8	773.5	771.3	768.9	69.3	767.	766.	764.8	764.
15	762.7	66.5	763.	761.6	760.	761.7	761.9	66.6	761.	761.6	761.7	761.3
16	742.7	65.4	742.8	745.5	746.5	745.2	745.4	65.5	746.3	744.1	743.7	743.3
17	728.6	63.4	730.5	728.6	725.5	725.6	726.6	63.7	724.2	726.	725.5	722.5
19	730.2	63.	732.	733.5	728.5	732.5	737.3	63.2	743.2	741.	740.9	741.
20	748.1	71.4	743.5	739.5	741.8	733.4	739.3	71.	738.4	737.	738.	738.5
*21	749.	71.8	751.8	751.2	757.	767.2	768.5	72.2	771.	773.	768.1	769.
22	726.	70.	729.1	731.2	732.8	733.4	732.9	69.7	736.	737.3	736.9	733.4
23	719.9	68.4	718.2	718.2	717.3	715.4	715.8	68.7	718.4	718.9	722.4	716.5
24	711.1	68.2	705.8	711.2	708.9	712.5	714.	69.6	712.2	709.5	714.1	713.3
26	749.7	71.	754.	753.1	751.2	752.8	756.7	72.	757.5	758.9	755.6	758.3
27	764.7	73.9	763.6	763.8	763.3	762.9	760.9	74.3	767.1	772.	770.6	770.4
28	.....	64.	743.6	743.9	745.3	744.	744.1	64.3	746.3	746.8	746.8	746.3
29	783.5	76.3	784.8	785.2	794.5	797.1	803.2	76.5	799.4	809.4	806.2	800.1
30	773.8	74.9	774.	775.2	777.1	775.1	775.	74.9	774.5	774.2	775.	778.9
Means	756.2	71.1	758.1	758.1	758.5	758.2	758.6	71.5	758.6	759.	758.3	757.5
Reduced to 32° Fah.	657.7		660.3	660.1	660.3	659.8	660.		659.9	660.1	659.2	658.3

* Needle making large vibrations. † One minute late.

Göttingen time Observatory time	h. m. 16 32 10 51½	Therm., Fah.	h. m. 16 38 10 57½	h. m. 16 44 11 03½	h. m. 16 50 11 09½	h. m. 16 56 11 15½	h. m. 17 02 11 21½	Therm., Fah.	h. m. 17 08 11 27½	h. m. 17 14 11 33½	h. m. 17 20 11 39½	h. m. 17 26 11 45½	Therm., Fah.
Sept. 1	753.1	72.4	750.7	747.3	745.	743.5	737.6	72.9	735.6	732.9	731.2	728.6	73.3
2	757.6	75.5	754.8	747.4	751.7	755.2	757.3	75.7	758.3	750.1	751.6	751.2	76.2
3	762.2	77.	760.	760.	759.2	758.	761.7	77.4	756.2	753.9	752.7	753.1	77.8
5	797.8	76.7	796.5	796.7	796.5	795.2	796.7	76.9	796.7	792.8	789.4	789.5	77.
6	753.2	71.9	754.7	757.	754.	754.3	752.3	72.	753.1	755.6	755.2	752.8	72.2
7	770.	70.3	779.8	768.9	769.2	769.2	768.4	70.8	768.5	769.9	768.8	766.6	71.3
8	751.9	72.8	752.5	754.2	759.4	762.8	763.4	73.1	763.5	763.7	764.1	765.2	73.5
9	788.5	76.	791.6	794.3	789.9	791.5	791.9	76.6	792.2	794.	793.9	792.7	77.
10	759.4	69.7	758.4	757.4	757.5	756.	.....	69.9	757.8	.....	760.7	760.7	70.
12	765.5	78.8	765.	764.3	766.	764.8	766.	79.4	765.5	763.7	765.6	765.3	80.
13	770.1	79.6	771.5	773.	775.3	775.8	775.6	80.	775.1	774.9	776.1	776.1	80.3
14	762.5	69.2	762.	759.7	759.9	758.9	758.5	69.2	758.5	757.7	755.	754.7	69.2
15	759.6	66.8	762.4	764.8	763.4	761.5	760.	67.	758.7	760.	760.8	759.1	67.3
16	744.	65.6	742.9	742.	740.3	740.5	737.3	65.8	736.	733.8	733.2	732.4	65.9
17	722.7	64.	723.7	722.5	721.6	720.9	721.4	64.2	721.7	721.1	722.8	725.9	64.5
19	738.2	63.5	741.	735.	735.2	736.7	729.4	63.8	731.3	730.1	730.1	725.7	63.8
20	735.7	70.8	733.5	738.2	738.2	737.3	733.5	70.6	735.5	735.9	736.5	734.6	70.5
21	764.8	72.5	761.4	757.5	755.4	748.1	750.7	72.7	746.3	751.9	747.1	746.5	72.7
22	731.	69.3	737.7	734.5	733.8	732.	732.	69.1	727.7	725.4	722.	728.	69.1
23	717.3	69.	717.2	716.6	717.3	715.5	718.	69.4	716.1	716.2	712.2	710.5	69.7
24	717.8	70.8	716.4	716.	716.5	712.3	712.2	72.	714.	.....	714.9	709.	72.4
26	758.7	72.7	759.8	.....	761.7	760.4	758.3	73.3	762.	764.5	764.	764.3	73.6
27	770.7	74.8	776.4	773.5	771.6	770.4	775.5	75.1	774.5	776.8	775.2	773.8	75.
28	746.8	64.7	744.8	742.8	741.5	740.8	743.2	65.3	741.9	736.3	733.7	736.1	66.
29	797.9	76.3	789.9	785.4	785.4	782.3	781.5	76.1	780.8	778.2	777.3	778.6	76.1
30	781.2	74.9	784.4	785.	787.2	.....	781.2	75.	783.	783.5	782.2	783.2	75.1
Means	756.8	71.7	757.3	755.8	755.9	753.8	754.5	72.1	754.2	755.1	752.9	752.5	72.3
Reduced to 32° Fah.	657.4		657.8	656.2	656.1	653.8	654.3		653.8	654.6	652.3	651.8	

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	6 00	6 06	6 12	6 18	6 24	6 30	6 36	6 42	6 48	6 54
Observatory time	0 19½	0 25½	0 31½	0 37½	0 43½	0 49½	0 55½	1 01½	1 07½	1 13½
Oct. 1	573.3	573.5	573.1	572.	571.6	570.1	569.8	569.3	568.1	569.1
3	566.6	566.9	567.4	567.4	567.4	566.9	567.6	568.5	566.2	565.
4	574.2	573.6	573.	573.2	573.3	572.8	572.	572.7	572.6	572.3
5	564.7	564.3	564.4	564.	564.9	566.3	564.4	564.2	564.	562.4
6	575.	573.2	567.7	566.1	567.	569.8	.....	.....	.....	581.4
7	579.	581.	582.5	585.	585.4	586.5	587.6	587.6	586.6	585.8
8	570.3	570.8	571.6	.....	572.2	569.	.....	566.3	565.3	566.3
10	570.2	571.1	572.7	574.	573.4	573.2	574.	577.6	578.7	579.
11	562.1	561.9	561.2	562.8	563.9	564.4	563.2	563.8	564.	564.1
12	562.8	563.	562.7	562.3	562.7	563.3	563.	561.7	562.8	563.3
13	560.1	*562.	561.6	561.8	563.9	565.7	566.6	565.2	565.3	565.9
14	566.4	567.1	*565.7	.....	565.1	563.6	563.1	562.7	562.1	561.7
15	565.9	564.8	564.3	564.5	564.8	564.9	563.8	563.3	563.5	564.3
17	563.3	562.9	561.	559.9	559.2	559.8	559.3	558.8	558.8	559.1
18	562.	561.9	562.4	561.5	561.4	560.1	559.7	555.5	554.5	555.2
19	562.4	564.1	564.4	564.4	*564.9	564.2	564.1	563.	561.8	560.3
20	556.4	557.3	558.6	557.1	556.5	556.5	557.	557.	558.5	559.
21	555.8	556.6	556.9	556.4	554.9	555.3	556.	555.7	557.5	558.2
22	557.8	558.1	557.8	557.8	557.3	557.8	557.8	557.7	557.8	558.
24	560.8	561.2	560.1	560.7	560.9	561.2	562.5	561.1	562.4	563.
25	562.2	562.5	562.8	562.5	562.8	562.6	563.1	563.9	563.6	565.2
26	562.3	562.7	563.7	563.1	562.9	563.3	563.4	563.3	563.3	563.6
27	564.1	564.	563.9	564.1	565.7	567.	566.6	566.9	567.4	566.3
28	563.2	563.1	562.9	562.7	563.3	564.5	564.5	*565.	564.8	565.8
29	563.8	563.9	563.7	563.2	564.2	564.8	564.9	565.2	565.1	565.4
31	565.2	564.2	565.1	564.9	563.8	564.	565.4	565.7	564.	560.9
Means	565.	565.4	565.	564.5	565.1	565.3	565.	564.9	564.7	565.4

* One minute late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	7 00	7 06	7 12	7 18	7 24	7 30	7 36	7 42	7 48	7 54
Observatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 13½
Oct. 1	570.1	569.2	567.	568.	566.8	566.7	567.2	566.8	566.9	567.5
3	565.3	564.9	564.4	567.9	569.	569.7	571.4	571.4	570.4	571.4
4	572.6	572.5	572.8	572.4	572.5	572.7	572.5	572.7	573.5	572.7
5	562.6	563.2	564.2	565.	566.6	566.4	566.9	566.8	567.4	567.5
6	582.3	583.4	582.7	582.3	.....	.....	579.7	576.	575.7	580.8
7	583.9	584.6	579.4	577.9	576.8	577.4	577.2	578.8	580.	582.
8	565.8	.....	563.3	.....	566.7	565.3	565.7	566.1	564.4	567.7
10	579.	579.5	580.4	579.1	578.8	579.1	579.5	580.3	580.8	581.6
11	565.	565.7	565.7	564.6	565.6	566.6	567.3	566.4	566.8	566.9
12	563.	563.3	564.1	565.1	565.1	561.9	564.9	565.	565.7	565.7
13	568.3	569.1	568.1	567.4	567.3	566.1	565.	564.3	564.3	564.2
14	561.	.....	562.2	562.6	563.7	564.	563.3	.....	561.8	560.6
15	564.4	565.	566.1	563.5	563.3	563.3	563.1	561.1	560.1	559.3
17	559.6	560.	557.6	556.6	556.1	554.4	553.5	555.3	557.4	558.
18	557.9	561.2	561.9	559.4	555.8	552.3	552.	553.8	553.3	550.7
19	559.5	558.9	559.1	559.8	560.4	561.7	563.8	565.2	562.7	561.2
20	559.1	555.3	554.2	554.4	554.5	554.4	554.7	555.5	556.9	557.4
21	558.5	557.	556.2	557.	558.3	556.8	555.8	555.6	556.5	553.7
22	557.8	557.8	558.5	558.5	558.1	558.3	558.3	558.4	558.6	558.3
24	563.5	562.9	563.7	566.2	565.4	563.8	561.	559.4	559.1	559.7
25	564.5	564.1	564.1	563.7	563.3	562.6	563.8	563.7	563.4	563.7
26	563.6	563.5	563.7	562.3	562.8	563.3	562.7	563.2	563.7	563.3
27	564.5	564.7	563.4	562.5	563.6	564.	563.8	563.6	564.7	565.6
28	565.4	565.4	565.5	564.5	565.	565.2	565.2	563.6	562.8	558.2
29	565.	565.2	564.8	564.1	564.2	563.	563.6	563.5	563.4	563.8
31	559.7	559.9	559.8	559.9	559.3	560.	.....	*560.9	561.4	561.9
Means	565.5	565.7	565.1	565.	564.3	564.1	564.9	564.7	564.7	564.7

* One minute late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	18 00	18 06	18 12	18 18	18 24	18 30	18 36	18 42	18 48	18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
Oct. 1	578.9	578.9	579.7	579.4	579.6	579.6	579.9	580.2	579.7	579.7
3	568.6	568.	567.9	567.8	567.5	567.5	567.6	567.9	567.4	567.9
4	566.	566.	565.	565.2	564.5	564.5	563.5	563.4	562.9	562.5
5	558.2	559.	558.9	559.3	560.5	561.1	561.6	562.3	563.	563.5
6	569.5	571.5	572.	572.4	572.5	572.5	572.1	572.	572.1	572.1
7	574.2	573.6	573.3	573.5	573.2	572.7	573.1	572.7	572.3	572.3
8	568.2	569.	568.7	568.5	568.2	567.9	567.7	566.9	567.	564.9
10	558.4	558.3	558.4	558.	557.9	557.5	557.5	557.5	557.8	557.7
11	558.4	558.4	558.5	558.	557.5	557.8	557.4	558.3	558.	558.7
12	563.5	563.	562.4	562.	561.9	561.8	561.3	561.	561.	560.4
13	550.8	551.	550.7	549.7	549.2	549.	549.	548.3	548.3	548.
14	556.2	557.4	558.	559.4	559.8	559.2	559.7	560.	559.9	560.8
15	553.5	553.4	552.9	552.5	552.6	552.5	552.6	552.1	552.	552.2
17	552.4	552.7	552.4	552.5	551.6	550.3	549.3	548.6	547.5	547.
18	553.9	552.9	552.6	552.2	552.1	551.9	551.7	551.3	551.2	551.4
19	549.8	550.5	550.6	551.2	551.5	550.7	550.9	550.6	550.1	550.9
20	548.5	548.4	549.	548.2	548.	548.7	547.6	548.	547.8	548.2
21	545.8	546.4	546.4	547.3	548.	547.7	548.4	548.2	548.4	548.7
22	546.4	546.3	545.8	545.5	545.4	544.9	544.3	544.9	544.7	545.4
24	558.7	558.8	558.2	557.5	557.4	558.1	.....	556.9	557.2	556.7
25	557.	556.	557.4	557.2	556.6	556.2	556.	555.6	556.7	556.4
26	557.6	557.8	556.5	556.3	556.	555.7	555.1	554.6	554.7	555.1
27	558.6	558.3	557.2	557.	557.1	557.2	557.5	557.5	557.2	556.
28	557.7	557.7	558.6	558.	558.	558.	558.5	558.5	557.5	556.8
29	555.7	555.5	555.4	555.6	556.	556.	555.7	555.7	555.7	556.5
31	556.	556.2	556.	555.5	555.	555.	555.	555.	554.5	554.7
Means	558.6	558.7	558.6	558.5	558.4	558.2	558.1	558.	557.9	557.9

Göttingen time	h. m. 2 00	h. m. 2 06	h. m. 2 12	h. m. 2 18	h. m. 2 24	h. m. 2 30	h. m. 2 36	h. m. 2 42	h. m. 2 48	h. m. 2 54
Observatory time	20 19½	20 25½	20 31½	20 37½	20 43½	20 49½	20 55½	21 01½	21 07½	21 13½
Oct. 1	568.7	569.4	572.6	575.	573.5	575.9	575.2	571.7	569.4	567.6
3	569.	568.5	568.8	569.3	570.2	571.1	571.	571.	570.2	569.2
4	568.4	568.6	567.5	568.	568.1	567.5	.....	.....	.....	568.
5	575.4	575.2	574.2	574.7	574.2	574.	574.	574.5	573.5	573.2
6	574.2	575.6	576.	576.	576.7	577.	577.8	578.8	578.	580.
7	568.8	570.3	575.	579.6	580.	578.5	575.	570.7	571.4	570.2
8	579.6	580.	580.2	580.	580.7	581.9	582.3	583.7	584.5	585.4
10	.....	564.	564.2	563.2	563.5	563.5	563.5	564.2	566.5	567.5
11	561.7	561.4	562.	562.2	562.3	562.	561.4	562.	562.	562.2
12	563.	563.2	563.8	564.7	563.2	563.	563.	563.1	563.	563.4
13	564.5	564.4	563.9	563.9	564.5	564.5	564.7	564.	564.	564.2
14	563.4	564.2	563.8	562.4	565.1	563.3	563.3	565.4	565.7	566.
15	*578.5	.....	578.7	577.3	575.3	573.7	573.	573.8	574.5	575.8
17	566.	569.1	569.5	574.2	576.9	578.1	579.7	581.	580.	577.2
18	568.5	567.4	567.2	568.4	572.	580.6	584.1	584.3	580.	574.5
19	565.8	565.6	564.4	562.3	563.	562.	563.	562.6	562.2	561.2
20	561.7	561.5	560.8	560.5	560.	561.1	562.	561.7	561.3	559.6
21	559.5	559.	559.6	559.	559.	559.7	559.5	559.7	560.	559.6
22	554.5	554.	554.7	555.2	555.7	555.4	554.6	554.2	554.3	554.8
24	562.5	562.3	562.6	564.6	564.	563.7	563.8	562.7	562.7	563.2
25	564.7	564.4	563.8	564.2	565.2	565.5	565.7	564.8	564.2	565.2
26	567.	567.	567.	566.	565.5	565.5	566.	.....	564.5	565.2
27	565.8	566.	565.7	566.5	565.6	565.	564.9	565.5	565.8	565.
28	564.2	567.6	572.7	572.7	572.2	571.7	574.	570.7	567.8	565.2
29	580.	585.2	587.2	581.7	580.8	576.6	574.4	573.1	572.	566.4
31	562.1	562.9	563.	562.7	562.7	562.7	562.1	563.6	563.6	564.3
Means	567.	567.1	568.	568.2	568.4	568.6	568.7	568.6	567.9	567.5

* One minute late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	3 00	3 06	3 12	3 18	3 24	3 30	3 36	3 42	3 48	3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
Oct. 1	567.9	568.9	567.1	568.	567.	568.2	567.9	567.8	567.7	567.8
3	569.9	569.	569.8	570.	*571.5	572.6	572.9	572.6	572.9	575.8
4	567.	567.7	567.3	566.7	566.6	566.9	566.9	566.1	566.5	566.2
5	571.7	573.	571.	571.	571.1	571.8	571.4	†571.4	571.2	570.5
6	580.	580.	580.	580.	580.2	580.3	580.9	581.1	581.2	581.3
7	569.	569.1	568.	567.1	567.	566.5	568.	566.7	567.2	566.8
8	585.7	585.1	584.2	584.2	584.	583.7	582.7	582.3	582.4	581.9
10	567.7	567.6	566.9	565.8	566.	565.8	564.4	563.6	563.6	563.9
11	562.4	562.5	562.	562.1	562.2	561.3	561.6	561.7	561.6	561.8
12	564.6	564.	564.2	566.7	568.2	567.5	567.8	566.4	565.4	563.6
13	564.6	564.1	563.7	562.7	562.8	564.	566.	568.2	573.	577.6
14	564.4	564.3	563.8	563.7	563.8	563.9	563.2	563.2	565.	563.5
15	573.4	571.2	574.2	575.6	578.2	580.8	583.9	584.4	582.4	581.3
17	575.5	571.9	568.2	566.4	564.9	566.5	564.2	564.3	563.4	561.8
18	573.1	569.5	569.4	572.7	576.7	579.6	577.9	577.9	578.2	575.2
19	561.3	560.5	561.4	561.3	561.	560.9	560.5	560.6	560.4	560.6
20	559.6	†559.2	562.5	560.2	561.8	561.7	561.5	561.	561.7	562.8
21	560.5	560.	563.1	561.1	560.5	560.6	559.7	559.7	559.4	559.3
22	*555.5	555.8	555.9	556.2	556.3	554.	554.7	555.3	555.6	555.7
24	563.	562.7	564.9	567.1	567.8	569.2	571.5	571.4	571.5	571.
25	567.7	566.8	565.5	563.8	563.9	563.	567.7	575.3	569.	566.6
26	565.4	566.3	565.7	565.4	565.5	565.4	565.7	565.3	564.9	564.7
27	566.	567.3	566.5	566.6	565.9	.....	567.7	569.	569.1	567.3
28	565.	564.4	563.	561.9	562.4	562.7	563.	563.3	565.	566.7
29	563.8	564.	567.1	569.7	571.1	573.1	572.5	570.6	573.4	573.
31	565.	565.	565.5	565.6	566.2	566.4	566.2	566.9	567.	566.3
Means	567.3	566.9	567.	567.	567.4	567.9	568.1	568.3	568.4	568.2

* One minute late. † Two minutes late.

Göttingen time	h. m. 13 00	h. m. 13 06	h. m. 13 12	h. m. 13 18	h. m. 13 24	h. m. 13 30	h. m. 13 36	h. m. 13 42	h. m. 13 48	h. m. 13 54
Observatory time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
Oct. 1	579.3	580.2	580.7	581.2	581.	581.4	584.2	585.4	586.2	586.3
3	585.7	586.	586.3	587.2	587.1	587.1	586.7	587.5	586.	582.6
4	582.1	582.4	582.8	582.1	584.6	583.8	584.6	585.	585.	586.2
5	510.4	511.1	511.7	506.5	504.7	502.4	*499.6	498.3	495.2	494.3
6	599.	600.6	601.2	600.4	599.1	599.6	598.2	596.2	595.	594.3
7	593.8	594.1	594.5	594.9	595.2	595.	594.	594.	593.4	590.5
8	586.2	586.5	586.8	585.6	585.	585.2	585.6	586.2	585.2	586.
10	587.7	587.	588.9	590.4	589.6	589.	592.6	594.	595.4	594.
11	570.5	570.6	570.7	569.7	569.	571.4	572.4	572.2	572.6	572.6
12	567.1	567.5	568.2	568.2	568.	568.	568.5	568.	568.	569.1
13	560.4	562.2	560.4	559.7	559.7	560.2	561.	563.2	564.	565.2
14	567.6	570.	569.6	568.3	567.4	570.5	569.5	569.2	569.	569.5
15	564.7	565.6	566.6	567.8	567.2	568.2	568.3	569.	571.	572.2
17	565.4	566.5	567.4	570.6	566.5	563.7	565.8	565.4	566.4	567.2
18	569.1	569.2	568.7	568.6	570.9	569.7	568.4	568.6	569.3	568.2
19	.....	.....	.....	*566.	566.1	565.8	566.	567.2	567.2	566.1
20	563.4	563.1	562.7	563.8	565.1	565.	566.6	568.5	568.8	568.7
21	565.2	564.8	566.5	566.7	566.2	567.6	567.5	565.9	566.6	567.
22	569.1	569.	570.1	570.	569.7	569.4	570.	569.7	570.	571.3
24	564.1	565.5	567.1	568.	567.9	567.	567.1	566.8	567.8	568.4
25	570.	570.2	569.6	570.4	571.2	571.9	571.	572.	572.1	571.7
26	570.7	571.1	565.8	566.2	565.1	565.9	566.8	566.5	566.7	568.8
27	562.1	562.9	567.2	569.5	570.1	570.3	569.1	568.9	568.6	567.9
28	567.5	568.	567.6	567.9	567.6	567.6	566.9	567.2	567.6	568.1
29	566.	562.8	561.9	561.7	561.	561.3	561.6	563.3	564.	564.3
31	566.7	568.3	569.8	570.	568.7	569.3	571.	569.9	571.3	569.7
Means	570.1	570.6	570.9	570.8	570.5	570.6	570.9	571.1	571.2	571.2

* One minute late.

Göttingen time..... Observatory time.....	h. m. 22 04 16 23½	Therm., Fah.	h. m. 22 10 16 29½	h. m. 22 16 16 35½	h. m. 22 22 16 41½	h. m. 22 28 16 47½	h. m. 22 34 16 53½	Therm., Fah.	h. m. 22 40 16 59½	h. m. 22 46 17 05½	h. m. 22 52 17 11½	h. m. 22 58 17 17½
Oct. 1.....	827.1	78.8	827.	827.	826.1	826.	825.3	78.6	825.	825.2	826.	825.
3.....	819.	76.7	818.4	818.	817.	816.6	816.	76.2	815.	814.	813.8	813.
4.....	797.9	75.	797.	797.	797.	796.1	795.5	74.8	795.	795.	795.	794.5
5.....	769.2	73.3	769.	769.	.....	.....	.....	72.9	.....	.....	.....	761.5
6.....	740.	69.5	738.	736.	734.	732.	730.2	68.8	728.	727.	725.	723.5
7.....	820.	77.	820.	819.	818.7	818.	818.	76.9	817.	816.	816.	815.6
8.....	*796.	76.8	797.	797.	797.8	798.9	799.	76.5	800.	800.	801.	801.5
10.....	786.1	72.	786.	784.2	783.2	782.	781.	71.6	780.2	779.	778.	777.
11.....	765.	72.6	765.	765.	765.	765.	765.	72.2	764.	764.9	765.	764.8
12.....	773.	72.3	772.8	772.	772.	771.4	771.	72.3	770.7	770.7	770.5	770.
13.....	790.5	74.	789.5	788.7	787.7	786.7	785.5	73.2	784.2	783.2	782.7	781.5
14.....	784.	72.5	783.	782.	781.9	780.9	780.1	72.	779.1	777.1	777.	775.8
15.....	745.8	69.2	744.8	743.5	743.	741.2	740.	69.	739.	738.8	738.	737.
17.....	811.	75.	811.	810.1	809.5	808.6	807.	74.1	806.1	805.5	805.	804.
18.....	831.2	77.3	831.	831.	831.8	831.6	831.7	77.	831.	830.5	830.	830.
19.....	727.8	68.	728.	727.	726.	725.4	724.7	67.5	723.6	722.7	722.	720.
20.....	725.	67.1	723.5	722.6	720.	718.7	716.2	66.7	714.7	712.	710.	708.
21.....	780.4	73.5	780.9	781.1	782.	782.7	783.4	73.5	784.2	785.	786.	786.
22.....	763.4	70.	763.8	763.7	764.	764.	764.	70.3	764.4	764.7	765.7	766.1
24.....	787.	72.	786.2	786.	785.7	785.	785.	71.8	784.	784.	784.	783.
25.....	731.5	67.4	730.	728.	727.	724.2	722.3	66.7	721.	720.8	719.	717.8
26.....	761.7	71.	762.	761.5	761.	760.5	760.5	70.6	760.	759.2	759.	758.
27.....	748.1	70.	747.8	747.8	747.6	747.2	747.6	69.5	747.	746.	746.	745.5
28.....	780.7	73.	780.2	780.1	780.	780.	780.	73.	780.5	781.	781.4	782.
29.....	781.5	73.1	781.1	781.	782.1	782.1	782.	72.3	781.1	780.5	780.	780.
31.....	749.5	69.5	749.7	751.	751.2	751.7	752.	69.	751.	750.4	750.1	750.
Means.....	776.6	72.6	776.3	775.7	775.6	775.1	774.5	72.2	773.8	773.3	773.	772.
Reduced to 32° Fah.....	229.1		229.7	230.	230.8	231.2	231.5		232.5	233.6	234.9	235.5

* Two minutes late.

Göttingen time Observatory time	h. m. 23 04 17 23½	Therm., Fah.	h. m. 23 10 17 29½	h. m. 23 16 17 35½	h. m. 23 22 17 41½	h. m. 23 28 17 47½	h. m. 23 34 17 53½	Therm., Fah.	h. m. 23 40 17 59½	h. m. 23 46 18 05½	h. m. 23 52 18 11½	h. m. 23 58 18 17½	Therm., Fah.
Oct. 1	824.7	78.	824.1	824.	824.2	824.	824.	77.6	824.	824.	823.	823.	77.3
3	812.5	76.	812.	810.	810.	811.	810.5	76.6	809.	809.	808.	807.1	75 3
4	794.	74.3	794.	793.1	793.	793.	791.5	73.7	790.2	788.9	788.9	788.	73.2
5	764.	72.5	764.6	764.	764.	764.	763.	72.1	763.	762.	762.	761.2	71.8
6	721.5	68.5	719.5	719.	717.	716.5	716.	68.2	715.3	715.	714.	714.	68.
7	815.2	76.5	815.	814.5	815.	814.	814.	76.	813.7	813.5	813.	812.	75.6
8	803.5	76.1	802.	802.5	*804.	803.8	803.8	75.8	803.8	804.	804.5	804.7	75.5
10	775.5	70.5	775.	772.6	771.	769.8	768.2	70.2	767.	766.	764.2	761.7	70.
11	765.	72.	764.6	764.	764.	764.	764.	72.	764.	763.8	763.2	763.	71.9
12	769.5	72.	770.	770.	†770.	769.	769.	71.4	768.	767.1	767.	763.4	71.2
13	781.	71.6	779.9	779.2	778.1	777.2	776.8	70.9	775.4	772.8	770.7	767.6	70.2
14	775.	71.3	773.8	773.	772.2	772.	771.	71.1	770.	769.	768.	768.	71.
15	736.5	68.	736.	735.	734.1	734.	732.2	67.7	731.	729.4	728.5	727.2	67.4
17	803.2	73.	801.7	801.	800.	798.6	798.3	73.	797.	795.	793.6	792.5	73.
18	830.	76.2	830.	829.1	828.4	827.9	827.2	76.1	826.2	825.2	824.	823.	76.
19	719.	67.	718.4	716.9	716.	714.1	713.1	67.	712.6	712.2	711.7	711.2	67.4
20	706.	65.	705.	702.	699.3	698.	696.6	64.4	694.	691.7	698.1	687.7	64.
21	785.	73.	787.7	788.	788.	787.1	787.2	72.6	787.5	787.4	787.4	787.4	72.3
22	766.6	70.9	767.1	768.	769.	769.8	770.	71.5	770.9	771.9	772.8	773.2	72.
24	*782.2	71.5	*782.	781.3	780.7	780.	779.6	71.2	779.	778.	777.	776.5	71.
25	716.	66.	714.2	713.1	711.1	710.	708.3	65.7	707.	705.9	704.	703.1	65.5
26	757.	70.	756.	755.5	754.5	753.6	753.	69.6	751.7	750.7	749.	748.	69.
27	745.2	68.5	745.	744.6	743.9	742.8	741.	68.5	740.5	739.2	739.	738.5	68.5
28	782.4	71.5	782.	781.	779.8	779.	778.8	71.9	778.	778.	777.5	777.1	72:3
29	779.	71.5	778.5	778.	777.	776.9	776.	71.3	775.	774.3	774.	773.5	71.
31	750.7	70.8	751.	752.	753.1	754.	756.	71.3	758.	759.2	761.5	762.2	71.8
Means	771.5	71.6	771.1	770.4	769.8	769.4	768.8	71.4	768.1	767.4	767.1	766.	71.2
Reduced to 32° Fah.	236.6		236.7	236.5	236.4	236.5	236.4		236.4	236.4	236.8	236.3	

* One minute late. † Two minutes late.

Göttingen time..... Observatory time.....	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
Oct. 1.....	718.	70.2	718.	719.9	720.4	721.4	721.7	71.5	722.6	724.	727.8	731.5
3.....	752.5	73.8	753.	753.5	753.8	754.	754.	74.	754.	754.3	757.8	761.7
4.....	807.9	74.	808.	807.2	806.9	805.8	805.2	74.3	804.8	803.4	801.7	801.1
5.....	716.	69.4	716.	716.3	716.6	717.1	718.2	70.2	721.1	722.6	726.9	728.4
6.....	759.9	71.4	760.	760.	760.8	761.2	762.5	73.2	763.2	765.2	767.2	768.8
7.....	794.1	76.6	794.3	795.	795.3	792.9	790.6	76.8	790.	790.	791.8	792.9
8.....	700.6	69.4	701.4	703.	703.5	706.5	707.2	69.8	709.	710.7	715.9	718.
10.....	781.	74.	781.2	782.6	783.7	785.2	786.2	74.6	787.6	788.2	789.	790.6
11.....	760.	70.4	760.	760.	760.	760.	760.	70.4	759.2	759.3	759.4	759.5
12.....	832.3	78.3	833.4	834.2	835.3	837.2	837.4	78.2	837.9	838.1	838.1	837.9
13.....	764.2	71.	764.2	764.	764.3	764.3	763.4	71.	763.5	764.	763.6	764.
14.....	753.	70.3	753.	752.9	753.3	753.6	754.8	70.9	756.	756.	757.2	758.6
15.....	813.1	76.7	817.5	818.9	820.4	821.4	†821.7	76.5	822.5	823.8	825.	825.2
17.....	784.7	72.6	785.3	786.	786.1	787.1	788.	73.	789.	790.2	790.7	792.7
18.....	*785.3	71.7	785.3	785.3	784.4	784.	783.7	71.6	783.	782.5	782.	781.5
19.....	790.	73.1	791.2	791.2	792.6	793.	794.2	73.7	795.3	795.8	796.6	797.3
20.....	802.5	74.1	802.1	802.7	802.8	803.3	803.3	74.9	803.3	803.2	803.1	803.1
21.....	741.2	67.6	740.2	739.2	738.1	737.3	737.8	68.4	737.7	738.4	738.6	739.2
22.....	729.2	66.1	728.	727.	725.5	724.4	722.7	66.3	723.9	723.1	722.5	721.
24.....	702.4	61.7	704.1	706.8	709.3	711.7	713.3	68.	715.4	717.4	718.2	726.9
25.....	833.7	75.3	833.	832.9	832.3	832.1	831.8	75.2	830.9	830.5	827.8	827.7
26.....	751.2	68.	751.4	752.3	752.1	751.4	750.7	68.7	749.2	747.6	746.	745.
27.....	745.5	68.5	744.6	744.6	744.2	745.5	746.6	69.1	747.1	747.2	747.5	748.2
28.....	726.9	66.4	726.3	724.8	723.3	721.7	721.1	66.2	719.	718.1	717.3	716.
29.....	730.	66.	727.4	724.8	723.	721.2	719.9	66.6	717.7	715.9	714.5	714.1
31.....	762.5	69.7	762.4	762.1	762.3	762.	762.	70.1	762.3	762.7	762.3	762.9
Means.....	763.	71.	763.1	763.3	763.5	763.7	763.8	71.7	764.1	764.3	764.9	765.8
Reduced to 32° Fah...	236.1		234.4	232.8	231.2	229.6	227.9		226.7	225.4	224.6	224.1

* Supplied. † One minute late.

Göttingen time Observatory time	h. m. 13 34 7 53½	Therm., Fah.	h. m. 13 40 7 59½	h. m. 13 46 8 05½	h. m. 13 52 8 11½	h. m. 13 58 8 17½	h. m. 14 04 8 23½	Therm., Fah.	h. m. 14 10 8 29½	h. m. 14 16 8 35½	h. m. 14 22 8 41½	h. m. 14 28 8 47½	Therm., Fah.
Oct. 1	735.4	72.8	740.	743.	745.9	748.7	752.7	74.2	756.	759.	762.4	765.7	76.4
3	765.4	76.	769.3	771.6	775.1	778.6	781.7	76.4	784.3	786.7	789.3	792.1	77.4
4	800.	74.6	799.2	799.	798.	797.7	797.8	75.4	798.2	798.4	799.	800.	77.3
5	733.4	71.1	735.6	738.5	740.6	742.3	744.6	72.1	747.2	749.	751.9	755.9	73.6
6	771.1	74.4	773.2	776.	779.	781.3	783.6	75.4	786.	787.5	788.8	790.2	75.4
7	795.	77.	796.5	797.7	801.	802.4	804.3	77.2	805.9	807.7	809.2	811.1	77.2
8	721.3	70.2	725.4	727.2	729.7	731.7	734.	70.7	736.	738.	740.	741.9	71.4
10	791.1	75.1	792.	792.4	793.2	794.9	796.5	76.3	798.5	800.5	802.1	803.1	76.9
11	759.7	72.	760.3	761.2	762.1	763.9	765.2	73.2	767.4	770.	772.3	774.	75.7
12	837.8	77.5	837.5	837.2	837.	837.1	837.5	77.5	836.3	836.	836.	835.5	77.
13	764.7	71.9	765.4	765.8	766.3	767.	767.5	72.8	769.8	771.8	773.5	774.8	72.8
14	760.2	71.5	760.6	762.	763.	764.7	767.2	72.4	768.5	771.	772.2	774.1	73.
15	826.	76.2	826.8	827.2	828.	828.2	828.1	76.	828.7	829.8	829.2	829.	75.6
17	793.8	74.2	794.9	796.2	797.9	800.1	801.9	75.5	804.5	806.7	808.9	810.3	76.5
18	781.	72.1	780.6	780.8	780.3	781.2	782.7	73.3	783.2	784.9	786.3	788.3	75.4
19	798.6	74.2	799.3	799.4	800.5	801.	801.6	74.5	801.9	802.8	803.6	803.	74.5
20	803.7	74.	803.8	804.	804.5	805.2	806.5	75.	807.3	808.7	809.5	810.5	75.2
21	740.	69.4	740.	741.	741.9	743.1	744.1	70.	745.3	746.5	747.9	749.1	70.7
22	720.4	66.8	720.	719.5	719.	718.8	719.6	67.4	720.7	722.	723.7	725.9	67.8
24	729.3	69.3	732.3	734.5	737.8	739.5	742.6	70.	745.6	748.7	751.7	754.5	71.4
25	827.	75.	826.	826.2	825.7	825.	823.9	74.8	823.4	823.2	823.2	822.7	74.7
26	744.6	69.2	743.8	743.8	744.3	744.9	746.2	69.6	746.6	747.3	748.	748.4	70.
27	749.3	69.8	750.5	752.2	753.9	755.4	757.2	71.	758.1	759.5	760.2	761.3	71.
28	713.5	66.5	713.7	712.8	712.1	711.6	712.8	67.6	714.	714.9	716.	717.5	69.6
29	713.9	67.	714.5	714.8	715.8	716.8	718.2	68.8	720.2	722.9	725.7	729.1	70.8
31	763.3	70.3	763.7	764.3	764.4	765.7	766.3	70.5	767.	767.	767.6	768.5	71.
Means	766.9	72.2	767.8	768.1	769.9	771.2	772.5	73.	773.9	775.4	776.6	778.3	73.8
Reduced to 32° Fah	223.8		222.6	221.5	220.5	219.8	219.		217.7	216.5	215.	214.	

Göttingen time / Observatory time	h. m. 11 32 / 5 51½	Therm., Fah.	h. m. 11 38 / 5 57½	h. m. 11 44 / 6 03½	h. m. 11 50 / 6 09½	h. m. 11 56 / 6 15½	h. m. 12 02 / 6 21½	Therm., Fah.	h. m. 12 08 / 6 27½	h. m. 12 14 / 6 33½	h. m. 12 20 / 6 39½	h. m. 12 26 / 6 45½	Therm., Fah.
Oct. 1	722.6	64.3	718.	718.	719.7	719.4	718.8	64.8	717.8	718.1	717.3	715.	65.2
3	719.6	66.6	718.9	718.8	717.8	717.3	715.4	66.8	712.5	711.8	711.6	710.6	70.
4	715.5	71.5	716.	716.6	717.3	718.1	718.5	71.3	718.7	718.1	718.	716.4	71.
5	693.	63.5	693.8	694.2	695.	696.2	696.	63.5	696.	698.	705.	706.9	63.7
6	701.5	66.8	702.8	704.2	705.9	707.7	708.	66.7	707.2	705.9	705.	704.6	66.7
7	701.8	69.1	703.3	704.4	705.6	706.	709.2	69.3	709.5	709.8	710.3	710.7	69.5
8	707.7	64.8	708.9	709.8	710.2	711.4	712.6	65.	714.4	716.9	715.4	717.7	65.4
10	705.8	69.3	705.2	704.	698.6	700.	703.7	69.3	698.9	698.8	699.7	696.1	69.4
11	766.3	65.7	764.2	764.1	764.1	763.4	763.1	65.7	762.3	761.3	761.8	761.	65.7
12	777.3	72.8	777.8	778.7	779.	779.3	779.	73.2	780.3	779.3	778.6	778.	73.7
13	.....	66.9	†757.6	758.4	758.9	760.1	761.3	66.7	761.6	762.2	762.8	766.9	66.8
14	759.4	66.	760.6	761.2	763.4	764.	765.1	66.2	765.6	766.	766.3	766.6	66.5
15	*775.2	70.8	773.8	773.7	772.7	775.7	775.3	71.3	776.8	775.8	777.3	778.6	71.8
17	782.5	68.1	.....	.....	780.4	777.3	776.8	68.4	775.7	777.2	772.2	771.2	68.7
18	.....	68.3	.....	.....	773.2	773.7	772.1	68.2	771.9	771.6	771.8	772.	68.4
19	781.5	68.3	778.9	782.8	780.	780.4	780.7	68.3	779.7	779.5	780.2	783.1	68.
20	769.6	68.	770.7	769.6	768.6	767.2	771.8	68.4	769.9	770.9	773.1	776.1	68.6
21	.....	63.4	*763.1	763.5	759.5	760.8	762.5	63.	762.7	762.	763.8	763.2	62.9
22	*769.8	62.9	769.3	.....	*770.	770.2	770.2	62.6	770.	771.5	770.	769.6	62.2
24	766.9	61.4	767.	767.4	767.5	767.	767.4	61.6	766.9	768.	768.4	767.1	62.4
25	799.2	72.9	800.2	800.8	801.8	801.5	802.	72.8	801.7	804.1	805.6	805.3	72.7
26	767.7	64.2	770.2	771.	771.8	765.6	763.3	64.2	760.7	762.3	761.3	763.	64.3
27	776.7	63.8	771.9	769.7	763.4	757.7	756.	63.6	755.4	757.7	757.4	758.3	63.4
28	779.8	62.2	778.8	776.3	774.9	772.1	768.2	62.3	766.5	765.3	762.5	761.4	62.5
29	.....	63.3	.....	761.6	763.2	764.	763.2	62.8	762.7	763.3	763.1	767.2	62.5
31	767.6	65.3	767.7	767.5	770.6	770.7	770.9	65.2	770.9	771.6	771.	773.5	65.4
Means	750.3	66.5	749.5	749.5	752.	751.8	752.	66.6	751.4	751.8	751.9	752.3	66.8
Reduced to 32° Fah.	663.6		663.3	663.3	665.7	665.4	665.5		664.8	665.	665.	665.3	

* Two minutes late. † One minute late.

Göttingen time / Observatory time	h. m. 21 02 / 15 21½	Therm., Fah.	h. m. 21 08 / 15 27½	h. m. 21 14 / 15 33½	h. m. 21 20 / 15 39½	h. m. 21 26 / 15 45½	h. m. 21 32 / 15 51½	Therm., Fah.	h. m. 21 38 / 15 57½	h. m. 21 44 / 16 03½	h. m. 21 50 / 16 09½	h. m. 21 56 / 16 15½
Oct. 1	749.1	75.8	750.2	750.6	753.1	755.4	756.2	75.8	754.8	756.4	761.8	764.7
3	730.5	74.8	737.3	739.4	741.	743.3	742.2	74.7	744.7	744.8	745.	743.8
4	723.	71.8	722.4	724.6	722.	721.7	721.3	71.6	723.	724.3	724.6	726.4
5	712.7	70.	714.1	716.2	715.	714.2	718.9	70.	718.1	719.	717.6	717.5
6	718.7	66.9	718.	717.	715.2	716.2	712.5	66.3	712.7	714.5	711.3	711.
7	728.	74.	727.2	729.5	731.2	730.7	724.2	74.	729.	727.5	731.2	733.
8	748.1	73.9	750.1	754.2	758.5	761.3	765.	74.1	767.	773.8	773.	774.5
10	783.	70.2	784.	784.4	785.5	788.1	788.7	70.	786.	786.2	786.5	786.6
11	778.2	69.6	776.7	776.5	776.	775.	778.7	69.8	775.5	774.7	774.7	775.
12	789.6	70.1	789.	788.	787.2	787.	785.7	70.	784.5	784.4	784.1	783.6
13	817.6	71.2	818.5	820.1	819.1	818.4	816.2	70.8	815.1	812.	808.6	807.2
14	802.	70.	800.	.....	800.5	799.	798.7	70.	796.8	795.	794.	794.7
15	788.6	67.	787.7	791.5	794.	792.2	788.	66.9	786	790.	791.2	789.5
17	828.7	72.6	821.5	828.3	833.5	825.7	817.3	72.6	811.6	813.4	807.1	800.3
18	814.1	75.5	814.2	818.1	820.3	819.	823.6	75.5	825.7	823.7	822.2	821.6
19	773.	65.5	775.	775.5	772.	778 1	778.7	65.2	778.3	777.	777.5	775.4
20	781.	64.6	779.6	777.4	775.5	774 4	774.8	64.1	773.	770.8	764.6	766 1
21	785.2	68.3	786.7	788.5	792.2	794.9	795.7	68.6	795.2	789.7	783.4	783.9
22	772.4	67.5	773.	772.4	771.	769.	768.5	67.5	767.	767.5	767.1	768.2
24	800.6	70.8	798.3	796.8	795.2	795.	793.7	70.9	795.2	798.7	801.	801.2
25	810.	66.5	809.5	809.5	807.8	806.7	803.3	66.	801.6	800.7	799.3	798.2
26	804.6	66.8	811.2	818.2	816.6	815.6	813.5	66.6	812.5	803.4	801.5	800.8
27	797.7	66.2	799.6	799.7	799.	797.2	791.	66.	789.	794.	792.	790.7
28	785.	69.	784.	783 7	783.5	780.7	782.	69.	781.5	783.7	782.	780.
29	781.7	69.4	783.8	788.	791.5	795.6	799.	69.5	805.8	804.6	804.2	801.8
31	788.1	66.5	788.	788.6	786.5	786.5	785.5	66.3	786.6	782.5	782.7	783.2
Means	776.6	69.8	776.9	777.5	778.6	779.	777.8	69.6	777.5	777.4	776.5	776.1
Reduced to 32° Fah.	682.1		682.5	683.2	684.4	684.9	683.8		683.5	683.4	682.5	682.1

Göttingen time / Observatory time	h. m. 22 02 / 16 21½	Therm., Fah.	h. m. 22 08 / 16 27½	h. m. 22 14 / 16 33½	h. m. 22 20 / 16 39½	h. m. 22 26 / 16 45½	h. m. 22 32 / 16 51½	Therm., Fah.	h. m. 22 38 / 16 57½	h. m. 22 44 / 17 03½	h. m. 22 50 / 17 09½	h. m. 22 56 / 17 15½	Therm., Fah.
Oct. 1	765.	75.8	.....	762.	760.	759.	758.7	75.8	760.	764.	757.5	753.5	75.8
3	743.7	74.5	744.7	744.2	740 7	743.2	743.5	74.	744.3	743.	744.	743.	73.6
4	727.5	71.6	728.	729.7	728.	728.	728.2	71.5	731.2	730.	727.5	732.9	71.4
5	717.7	69.8	718.6	716.9	718.1	719.	720.7	69.6	721.6	722.	722.5	724.	69.4
6	710.5	65.8	711.	711.	711.5	710.5	712.5	65.3	713.2	713.5	711.	710.7	65.
7	733.2	74.	732.5	732.5	731.	731.	730.2	74.	731.5	731.	729.	733.5	74.
8	772.	74.2	774.7	763.7	761.2	758.	755 5	74.5	756.2	755.	753.6	751.	74.7
10	786.3	69.6	787.	783.5	783.1	783.	785.2	69.	789.	792.5	792.	793.5	69.
11	775.2	70.	776.	776.5	775 7	776.7	777.	70.	775.6	776.7	776.5	777.	70.
12	783.2	70.	782.7	782.	781.	780.5	780.4	70.	780.	779.2	779.3	779.2	70.
13	806.7	70.5	806.1	805.6	801.5	799.8	798.	70.2	797.2	796.2	796.	795.	70.
14	794.8	70.	799.4	793.	791.	792.2	791.	69.6	792.2	788.	788.9	792.7	69.3
15	788.7	66.8	790.	789.	791.8	793.7	794.8	66.4	793.6	795.7	802.	805 5	66.
17	811.7	72.2	.....	809.	816.8	819.6	813.2	71.6	813.	810.	805.6	802.7	71.2
18	822.7	75.5	820.	823.3	820.9	817.2	817.6	75.4	814.	818.	818.1	816.7	75.3
19	779.1	65.	779.1	798.3	789.6	785.7	782.8	64.6	787.5	788.4	788.8	785.3	64.4
20	767.1	63.6	773.	771.7	768.	764.5	771.4	63.	773.7	770.1	767.	768.5	62.6
21	782.	68.9	780.8	781.9	782.2	783.2	784.	69.5	784.1	785.	785.5	787.	70.
22	766.	67.8	768.2	768.	769.	768.5	768.9	68.1	769.	770.1	769.8	769.2	68.4
24	800.	70.7	797.	795.5	794.	793.2	792.5	70.5	793.	792.	791.5	789.7	70.3
25	795.2	65.4	793.2	795.5	793.7	793.2	792.8	64.8	792.1	792 3	792.	794.	64.3
26	798.5	66.2	797.6	795.2	795.	795.2	795.	66.	800.5	804.	800.	799.7	66.
27	779.2	66.	777.2	785.7	786.2	781.	778.2	65.9	779.	779.7	777.7	778.2	65.8
28	775.7	69.	777.5	778.	780.	780.5	778.5	69.1	778 7	776.2	779.	779.2	69.1
29	801.7	69.5	800.3	799.	798.7	799.	795 5	69.	793.7	791.7	796.	794.9	69.
31	782.5	66.4	780.7	783.2	780.7	783.	784.	65.5	780.2	.....	777.	775.7	65.
Means	775.6	69.6	774.8	775.9	775.	774.5	774.2	69.3	774.8	774.6	774.1	774.3	69.2
Reduced to 32° Fah.	681.6		681.8	682.2	681.5	681.2	681.		681.6	681.5	681.	681.3	

Göttingen time..... Observatory time.....	h. m. 1 02 19 21½	Therm., Fah.	h. m. 1 08 19 27½	h. m. 1 14 19 33½	h. m. 1 20 19 39½	h. m. 1 26 19 45½	h. m. 1 32 19 51½	Therm., Fah.	h. m. 1 38 19 57½	h. m. 1 44 20 03½	h. m. 1 50 20 09½	h. m. 1 56 20 15½
Oct. 1	761.	74 5	761.5	760.	760.	759.	758.6	74.	760.9	762.7	763.7	763.4
3	736.2	73.7	738.7	733.4	734.2	735.5	733.7	73.9	731.8	734.8	735.3	734.
4	729.	69.5	730.2	730.4	730.2	731.3	732.	69.3	730.2	731.	730.	730.2
5	729.2	68.5	728.5	727.2	726.5	728.	727.5	68.2	727.	727.	725.5	725.5
6	714.	65.5	713 7	714.	712.2	709.	704.2	65.5	706.2	706.	704.3	705.2
7	741.2	72.2	741.	741.	742.	743.7	743.9	71.8	744.6	746.6	748.	747.6
8	740.4	71.8	743.8	744.6	745.7	744.4	739.5	70.9	733.6	729.2	725.9	722.1
10	775.	67.	775.	774.2	775.2	775.	774.	66.8	773.4	771.1	771.	772.4
11	778.4	69.3	778.5	778.	777.	772.2	777.5	69.	778.	778.	778.2	778.
12	778.7	68.7	778.	779.2	780.	779.9	778.4	68.5	778.1	778.7	778.7	779.
13	771.	67.5	771.	769.	771.	774.	778.4	67.5	.....	781.9	774.2	778.1
14	783.	68.8	783.2	783.1	783.	783.3	784.	68.7	784.	785.3	786.1	787.
15	800.4	64.2	815.2	817.6	806.	797 5	790.7	63.8	782.9	783.3	782.7	782.8
17	803.9	69.5	802.	801.	799.	801.1	804.	69.3	801.	803.4	804.8	811.6
18	817.	73 7	819.7	820.	825.	826.5	826.	73.5	825.5	827.	830.7	831.8
19	780.2	64.5	779.3	784.1	785.7	780.	780.	64.4	779.	779.	777.5	775.4
20	*762.4	59.8	764.7	761.7	763.3	764.4	767.9	59.4	764.2	765.2	768.	766.
21	775.	67.3	774.3	775.	774.	775.7	775.5	67.	774.	.....	773.2	772.6
22	773.9	69.3	772.2	773.5	774.3	775.	778.2	69.4	779.5	776.4	775.	775.9
24	791.5	69.	792.7	792.5	791.	791.	791.2	69.	791.5	790.9	791.6	792.
25	785.9	63.2	786.1	785.1	785.5	784.2	785.	62.4	786.2	788.2	790.7	790.2
26	798.2	65.	797.6	800.7	801.8	802.5	802.3	65.	800.9	800.2	797.2	797.
27	801.	65.4	797.8	793.3	785.	786.	784.8	65.7	783.2	782.3	780.	781.
28	781.	68.9	780 2	781.8	783 2	785.	787.2	69.	789.	799.8	803.	801.7
29	802.	67.2	800.7	799.4	801.6	801.8	800.9	66 8	803.7	808.	816.7	797.6
31	778.8	68.	779.7	779.7	780.	777.7	780.2	68.	780.3	780.	780.	781.2
Means.....	772.6	68.2	773.3	773.1	772.8	772.4	772 5	68.	771.5	772.6	772.8	772.3
Reduced to 32° Fah...	682.1		682.9	682.8	682.6	682.3	682.5		681.7	683.	683.4	683.1

* One minute late.

Göttingen time / Observatory time	h. m. 2 02 / 20 21½	Therm., Fah.	h. m. 2 08 / 20 27½	h. m. 2 14 / 20 33½	h. m. 2 20 / 20 39½	h. m. 2 26 / 20 45½	h. m. 2 32 / 20 51½	Therm., Fah.	h. m. 2 38 / 20 57½	h. m. 2 44 / 21 03½	h. m. 2 50 / 21 09½	h. m. 2 56 / 21 15½	Therm., Fah.
Oct. 1	763.2	73.5	763.2	758 2	752.	749.	746.6	73.	747.	749.1	753.2	757.6	72.8
3	731.4	74.	733.	732.	731.7	729.2	732.	74.1	735.5	734.	731.8	732.7	74.2
4	731.	68.6	731.	731.7	730.2	.....	.....	68.	.....	.....	730.1	731.1	67.5
5	726.2	67.5	724.	724.	725.	724.	723.5	67.	723.2	721 3	722.4	723.7	66.6
6	705.7	65.5	703.5	702.1	700.	702 7	701.5	65.5	699 5	704.7	700.8	695.2	65.5
7	749.	71.3	750.	751.6	751.5	752.9	754.	70.9	751.7	755.2	752.8	750 2	70.5
8	721.5	71.4	723.6	721.8	724.5	723.8	723.	72.2	723.4	724.	720.1	719.7	73.
10	772.5	66.	776.	774.2	775.	774.3	774.	65.5	776.6	775.8	776 5	776.9	65.
11	777.9	68.7	777.2	777.	777.4	777.5	777.3	68.4	777.4	777.	779.	777.2	68.1
12	777.	68.	775.7	777.1	779.2	779.7	778.	67.7	777.	777.4	777.2	780.	67.5
13	774.7	67.	777.4	779.5	780.	780.5	780.2	66.5	781.8	783.6	786.	788.	66.
14	789.1	68.5	785.8	783.2	783.	786.1	786.8	68.3	786.8	785.	786.7	786.	68.1
15	779.9	63.1	782.7	782.7	792.2	801.4	810.	62.7	811.9	811.	812.2	811.	62.3
17	810.1	68.5	805.2	808.5	806.	804.1	804.	68.	803.	799.7	794.7	798.5	67.4
18	833.1	73.	830.	829.	826.2	825.4	812.5	72.7	809.	805.4	806.	808.3	72.4
19	773.3	64.3	772.	769.2	769.	770.8	770.6	64.	769.4	767.8	766.5	767.9	64.
20	763.5	58.8	758.8	757.	757.2	754.	751.	58.4	747.9	752.2	754.	756.7	58.
21	774.5	66.8	775.2	777.3	777.2	772.1	774.6	66.6	775.3	775.2	774.4	773.5	66.4
22	777.	69.5	777.5	777.5	778.2	782.4	781.9	69.4	781.8	781.4	782.4	778.3	69.4
24	791.7	68.4	791.4	789.3	787.5	787.6	787.8	68.	787.1	787.7	788.	787.	67.6
25	789.2	62.	789.2	785.	786.7	788.6	788.5	61.6	788.5	787.	788.	786.5	61.3
26	794.8	65.	791.2	788.6	787.	786.5	784.	65.	781.	780.4	781.5	780.	65.
27	781.	65.8	782.	784.2	786.	793.5	789.5	65.9	782.	793.2	788.7	782.2	66.
28	803.5	68.8	794.	792.4	797.7	800.7	803.7	68.6	803.4	803.2	800.3	799.2	68.4
29	808.5	66.	783.7	783.3	783.6	782.5	786.2	65.4	786.5	791.2	791.4	794.1	65.
31	781.5	68.	784.1	782.6	782.2	781.1	781.5	68.	782.2	781.5	783.5	783.6	68.
Means	772.3	67.6	770.7	770.	770.2	772.4	772.1	67.4	771.7	772.2	770.3	770.2	67.2
Reduced to 32° Fah	683.3		681.8	681.2	681.5	683 8	683.6		683.3	683.9	682.1	682.2	

Göttingen time Observatory time	h. m. 15 32 9 51½	Therm., Fah.	h. m. 15 38 9 57½	h. m. 15 44 10 03½	h. m. 15 50 10 09½	h. m. 15 56 10 15½	h. m. 16 02 10 21½	Therm., Fah.	h. m. 16 08 10 27½	h. m. 16 14 10 33½	h. m. 16 20 10 39½	h. m. 16 26 10 45½
Oct. 1	739.9	72.7	739.4	735.7	743.	745.4	743.	73.5	744.5	745.5	745.5	747.
3	.....	73.2	734.	731.5	734.5	733.	728 4	73.5	727.5	734.2	734.5	732 1
4	755.8	73.6	751.6	745.	745.6	745.1	741.1	72.8	736.	742.	740.9	741.1
5	733.2	68.8	730.3	732.7	734.4	733.8	733.1	69.3	731.7	731.9	730.1	727.
6	739.7	70.	742.	744.1	745.8	745.6	745.	70.	746.2	748.1	748.5	744.4
7	732.4	72.6	735.7	734.4	735.5	737.4	736.5	73.1	741.	740.	741.4	742.4
8	755.	67.6	754.5	751.5	751.	752.	753.3	68.	749.8	751.5	752.3	752.9
10	718.5	72.5	718.8	720.9	723.2	721.	726.2	72.8	726.7	728.2	729.5	728.3
11	792.5	68.7	794.	795.2	797.5	797.2	794.9	68.1	800.4	800.8	800.8	802.4
12	807.9	72.7	809.5	810.8	811.5	812.4	813.5	72.3	815.	817.1	818.3	817.2
13	807.7	69.5	808.2	807.5	810.2	816.7	815.5	69.4	821.	824.7	827.7	828.1
14	.....	68.7	830.	835.	837.9	838.8	839.8	68.7	*841.	843.5	843.2	845.7
15	798.6	71.1	798.2	798.2	798.2	802.7	802.1	70.	803.6	801.2	799.7	805.3
17	794.7	72.4	798.3	798.	801.2	804.3	810.	72.2	810.1	807.6	809.3	807.9
18	812.4	72.	813.8	816.6	817.7	816.5	811.1	72.3	813.	811.3	810.1	809.4
19	798.9	68.7	800.	802.4	806.2	802.4	801.2	68.4	802.7	800.7	803.6	803.9
20	814.1	69.8	814.1	814.3	814.7	816.2	816.3	69.6	816.3	816.	814.7	815.
21	800.4	65.9	803.4	804.	804.	802.1	803.2	66.	802.2	801.	799.7	800.2
22	797.8	65.7	797.3	798.2	795.8	796.4	795.5	65.8	795.5	794.6	795.1	794.9
24	806.1	66.9	803.	804.6	806.2	807.2	808.6	67.5	809.3	808.	809.4	810.8
25	835.1	71.9	835.1	*837.2	840.	840.4	840.1	71.8	840.9	840.4	*840.1	839.9
26	795.7	65.7	797.2	798.5	799.2	797.8	799.	65.8	797.7	801.2	800.	801.1
27	788.2	65.7	788.5	783.5	780.8	776.8	767.3	65.2	767.8	770.2	769.	772.7
28	767.7	66.	770.7	772.8	772.5	772.1	774.6	66.5	773.9	772.9	774.8	774.
29	778.	66.8	780.7	778.5	775.7	777.	779.6	67.1	778 2	780.7	784.4	788.
31	798.7	67.	801.3	802.9	804.3	806.1	806.4	66.7	806.	804.4	802.6	805.2
Means	782.	69.5	782 7	782.9	784.1	784.5	784.1	69.5	784.7	785.3	785.6	786.
Reduced to 32° Fah.	687.8		689.	689.2	690.4	690.8	690.4		691.	691.6	691.8	692.2

* One minute late.

Göttingen time Observatory time	h. m. 16 32 10 51½	Therm., Fah.	h. m. 16 38 10 57½	h. m. 16 44 11 03½	h. m. 16 50 11 09½	h. m. 16 56 11 15½	h. m. 17 02 11 21½	Therm., Fah.	h. m. 17 08 11 27½	h. m. 17 14 11 33½	h. m. 17 20 11 39½	h. m. 17 26 11 45½	Therm., Fah.
Oct. 1	744.6	74.3	749.8	752.6	753.	750.	752.	74.6	748.8	743.9	747.1	751.7	74.7
3	735.	73.7	732.5	732.5	731.6	732.	731.4	74.	732.9	736.2	734.5	732.7	74.2
4	741.7	72.8	740.2	740.	738.	739.5	740.1	72.3	739.3	731.5	728.5	736.2	72.1
5	726.6	69.5	728.7	729.3	731.4	730.7	728.2	69.7	731.9	726.8	727.8	726.2	69.9
6	746.5	70.	741.8	743.1	744.	738.8	739.	69.8	737.5	735.5	735.2	733.	69.7
7	741.1	73.5	742.2	742.6	739.2	742.7	742.5	73.8	743.	743.1	746.5	742.7	74.
8	.....	69.2	748.5	751.6	751.3	749.2	746.9	69.9	752.5	751.8	755.2	755.7	70.4
10	728.8	72.7	730.3	731.	729.5	731.5	729.5	72.6	736.1	734.7	735.8	740.	72.3
11	802.	67.9	802.8	802.8	802.2	803.2	800.	68.	797.6	801.	801.3	799.5	68.1
12	817.3	71.5	816.6	816.	815.5	816.1	815.2	71.1	815.5	816.2	816.2	815.3	71.
13	828.4	69.5	830.	828.7	825.4	825.	823.6	69.7	822.7	820.5	818.4	.....	70.
14	844.5	68.7	837.5	830.7	826.2	827.3	828.	68.7	825.7	825.7	823.8	819.9	68.7
15	803.5	69.	802.8	803.7	803.5	803.2	802.1	69.	802.2	802.5	800.5	.....	68.8
17	806.9	72.3	813.1	818.8	821.8	824.1	833.7	72.3	843.9	846.1	850.5	851.9	72.4
18	810.	72.6	810.2	811.1	810.9	811.2	813.5	72.7	817.9	816.5	817.1	813.6	73.
19	802.	68.1	799.9	799.	799.1	800.9	802.1	67.9	804.3	805.7	800.1	.....	67.6
20	813.7	69.1	813.9	813.5	812.	811.7	812.4	68.6	813.4	813.7	812.2	809.1	68.
21	800.1	65.9	799.1	799.5	797.2	795.	794.7	66.	793.2	791.7	790.7	.....	66.
22	794.8	65.7	794.7	795.6	795.	793.2	793.3	66.3	794.7	795.1	794.2	792.8	66.5
24	811.3	68.1	812.9	813.2	813.6	815.	814.9	68.7	815.3	813.7	813.2	.....	68.9
25	843.6	71.7	845.1	847.1	846.6	846.1	844.6	71.4	845.3	844.7	844.6	844.7	70.9
26	802.2	65.9	805.5	803.4	805.5	802.5	803.2	66.	801.1	802.6	806.8	.....	66.2
27	.....	65.	779.7	780.6	782.2	784.	785.5	65.	783.5	783.1	782.5	.....	65.
28	775.8	67.	776.1	775.	776.	777.1	778.8	67.3	777.5	778.8	778.9	.....	67.4
29	788.7	67.4	790.5	793.1	793.9	794.3	798.9	67.6	801.	804.7	802.7	801.7	67.6
31	807.	66.8	809.3	808.4	809.5	810.5	809.8	67.	813.2	812.4	811.4	.....	67.2
Means	788.2	69.5	786.5	787.	787.1	786.7	787.1	69.6	788.1	787.6	787.5	780.4	69.6
Reduced to 32° Fah.	694.		692.7	693.1	693.2	692.7	693.1		694.1	693.6	693.4	683.4	

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	6 00	6 06	6 12	6 18	6 24	6 30	6 36	6 42	6 48	6 54
Observatory time	0 19½	0 25½	0 31½	0 37½	0 43½	0 49½	0 55½	1 01½	1 07½	1 13½
Nov. 1	562.6	562.2	562.5	561.2	561.3	561.9	562.2	562.3	562.2	561.2
2	565.9	564.9	564.7	563.7	562.4	562.6	563.3	563.9	564.4	563.6
3	562.7	562.3	561.8	562.8	561.8	554.3	551.4	547.3	548.1	552.2
4	562.1	562.4	562.5	562.3	563.4	563.1	562.3	561.7	562.5	562.4
5	566.	565.	564.1	563.5	562.6	562.1	563.2	564.4	564.	563.8
7	563.5	564.1	565.	565.4	565.4	565.8	565.8	566.	566.	565.9
8	562.3	561.3	561.5	562.5	561.7	560.7	562.1	562.	562.9	563.1
9	566.	566.2	566.	566.3	566.5	566.	566.3	566.2	*566.	566.
10	565.	565.	564.3	564.9	564.5	563.4	560.3	561.8	560.8	560.5
11	576.2	577.1	577.	577.1	578.9	581.6	581.6	580.5	579.	576.3
12	564.6	565.1	565.1	565.8	566.	566.5	566.2	564.1	564.1	563.8
14	565.9	566.4	565.8	565.3	564.7	.....	563.9	563.7	563.9	565.
15	564.7	564.5	564.7	564.9	564.4	564.5	564.5	564.8	565.2	565.9
16	565.9	565.2	564.7	565.5	565.6	565.8	565.2	565.5	565.2	.....
17	566.8	567.4	566.8	566.2	565.8	566.2	565.	566.	567.	566.2
18	566.	565.5	565.8	565.	565.2	565.	564.8	564.9	564.6	564.8
19	561.4	560.6	561.2	559.2	560.2	559.4	560.6	561.6	562.3	563.7
21	564.2	564.4	565.9	566.8	568.9	569.4	566.2	560.5	551.1	545.2
22	584.9	585.	589.8	595.6	595.4	597.5	596.5	598.2	587.3	579.2
23	562.9	560.9	560.1	559.9	560.	558.7	559.1	559.5	559.7	558.9
24	561.2	560.8	562.7	561.5	561.6	561.7	561.5	561.	561.1	560.9
25	566.2	566.7	565.8	565.9	564.5	563.7	563.	561.6	561.3	562.
26	563.5	563.2	562.8	563.7	564.	563.5	564.	563.8	564.4	563.8
28	563.5	564.4	564.1	563.8	563.9	563.7	563.7	563.9	564.1	563.9
29	565.5	566.	566.	566.2	566.5	566.	564.9	564.	563.	563.3
30	561.7	561.9	562.2	.....	.....	562.9	561.7	.....	.....	.....
Means	565.4	565.3	565.5	565.8	565.8	565.4	565.	564.8	564.	563.4

* One minute late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	7 00	7 06	7 12	7 18	7 24	7 30	7 36	7 42	7 48	7 54
Observatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 13½
Nov. 1	562.1	562.	561.7	561.1	560.8	561.1	561.8	562.3	563.	563.2
2	564.3	564.	562.2	563.2	563.6	564.4	562.7	558.9	557.8	553.4
3	555.7	558.2	560.	558.	557.3	559.5	562.2	563.7	564.4	563.6
4	563.1	563.3	563.9	563.7	564.7	564.7	565.	565.8	566.2	565.5
5	564.	562.8	562.6	558.3	554.5	553.1	551.4	549.9	550.7	552.9
7	566.1	.....	565.5	565.2	.....	*565.4	565.6	*565.2	565.5	565.2
8	562.1	563.	563.6	564.	564.	565.	565.4	565.	564.5	563.9
9	565.7	565.7	565.4	565.	565.	564.6	564.4	564.9	565.4	565.6
10	560.	560.7	559.5	560.5	561.4	564.	564.	565.8	567.1	566.8
11	574.2	573.3	572.	570.5	570.6	570.7	572.2	574.	573.1	572.7
12	562.6	562.1	560.7	559.	559.4	560.	555.3	552.4	552.7	554.8
14	564.7	564.6	565.4	565.8	566.8	567.4	567.4	566.4	565.8	566.1
15	566.	566.2	566.7	566.5	566.3	566.3	566.1	565.6	565.9	565.4
16	565.	565.	565.2	564.7	565.6	563.8	564.6	565.6	565.7	566.6
17	565.8	565.2	565.1	564.8	565.6	565.6	565.7	565.2	564 8	564.1
18	564.6	561.1	564.4	564.1	564.1	564.3	564.7	564.5	564.4	564.6
19	561.3	564.	563.8	564.7	564.	562.9	562.7	562.2	562.5	561.6
21	543.4	546.9	550.4	553.9	555.9	558.7	.....	564.7	565.3	567.3
22	564.2	548.7	542.4	547.4	554.5	564.3	567.4	562.	552.	.....
23	558.9	560.	561.7	562.3	563.7	564.4	563.1	562.4	561.	562.
24	561.	561.5	560.5	561.1	560.8	560.9	560.8	561.1	560.8	560.7
25	561.2	561.5	561.4	561.5	562.	562.	561.9	562.2	562.1	562.3
26	563.4	563.2	563.1	563.3	563.5	564.	563.4	563.5	563.1	564.
28	564.1	564.1	563.6	563.8	564.1	564.3	564.9	564 3	565.2	564.5
29	562.6	559.7	558.7	553.6	551.4	553.1	554.4	557.1	559.9	561.1
30	*562.	*562.2	561.8	561.8	562.5	.....	561.1	561.3	561.1	561.2
Means	562.6	562.1	562.	561.8	562.1	563.	563.1	562.9	562.7	563.

* One minute late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	18 00	18 06	18 12	18 18	18 24	18 30	18 36	18 42	18 48	18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
Nov. 1	556.2	556.	555.7	555.3	555.	555.2	554.8	554.6	554.8	555.
2	553.5	552.7	552.9	552.6	552.8	552.8	552.7	553.1	553.	553.
3	552.	551.	550.4	550.5	550.1	548.8	548.	547.8	547.7	545.6
4	556.1	556.2	556.	556.3	555.8	555.5	555.6	555.	554.7	554.5
5	559.5	558.	557.5	557.	556.5	556.	556.	556.1	555.7	556.7
7	555.7	555.5	555.4	555.	555.4	555.	554.6	554.6	554.6	555.
8	559.	558.5	558.5	557.2	557.2	557.	557.	557.4	557.	557.6
9	558.2	557.6	557.7	557.7	557.	556.5	557.4	557.1	557.	557.5
10	550.4	550.2	550.	550.2	550.	550.8	552.2	552.3	553.2	553.7
11	556.7	556.6	556.5	557.1	555.8	556.5	556.3	556.8	556.5	557.1
12	558.2	558.3	557.4	558.2	557.5	557.7	557.2	557.9	557.2	557.5
14	558.2	560.	558.3	558.6	558.6	558.7	559.7	559.1	559.1	558.5
15	559.5	558.4	558.8	558.6	557.7	557.9	558.	558.	558.5	558.1
16	552.5	552.1	552.5	552.6	552.7	552.8	552.7	552.9	553.	552.6
17	554.7	555.	555.5	555.5	555.8	556.2	556.5	556.6	555.7	556.3
18	556.2	556.3	557.9	555.5	554.9	555.2	554.5	555.6	555.	555.4
19	555.2	555.	554.4	554.2	554.	554.1	553.8	553.3	553.2	552.9
21	556.6	556.6	555.8	556.	555.9	555.1	555.	555.	555.3	556.
22	555.	554.8	555.	555.	555.9	555.	554.2	553.6	554.4	554.
23	561.	561.2	559.7	560.	558.7	559.5	559.1	558.5	558.4	557.7
24	553.8	554.2	555.	556.	556.	556.9	557.	556.6	557.8	557.8
25	560.9	560.6	560.7	559.5	558.9	557.9	558.2	558.2	557.6	557.4
26	558.5	558.7	558.1	558.1	558.	557.9	557.6	557.6	557.6	557.7
28	560.8	561.	560.6	560.5	560.6	560.9	561.	560.5	560.6	560.6
29	559.4	558.4	558.8	559.	559.3	559.5	559.4	559.5	559.1	558.8
30	554.	553.4	553.6	554.	554.3	555.	554.7	554.9	555.5	555.8
Means	556.6	556.4	556.3	556.2	555.9	555.9	555.9	555.9	555.9	555.9

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	2 00	2 06	2 12	2 18	2 24	2 30	2 36	2 42	2 48	2 54
Observatory time	20 19½	20 25½	20 31½	20 37½	20 43½	20 49½	20 55½	21 01½	21 07½	21 13½
Nov. 1	563.2	563.1	563.	563.	566.1	568.2	569.	568.7	568.	566.3
2	563.7	564.5	566.	568.1	567.9	568.	568.	567.1	565.5	564.8
3	565.8	566.3	566.	565.4	565.7	565.7	565.4	565.	.....	566.7
4	562.7	563.	562.5	562.5	562.9	562.4	562.2	563.	563.4	563.6
5	566.9	566.	566.7	566.	566.1	566.3	566.7	565.7	566.2	566.5
7	566.	566.2	567.1	566.6	567.	566.8	566.	566.7	566.1	566.7
8	566.8	566.9	566.9	566.	566.1	566.6	567.	566.3	567.2	567.6
9	579.	574.	570.7	568.5	567.4	566.5	567.7	569.4	571.5	572.4
10	573.	569.4	568.	569.7	569.7	568.7	569.6	570.3	574.5	577.7
11	567.1	566.	566.	566.4	567.1	568.2	567.	566.7	566.5	567.6
12	570.	565.7	566.5	565.7	564.5	565.	565.	564.7	565.	565.5
14	565.2	565.2	566.	565.4	565.2	566.	564.7	564.5	564.4	564.
15	566.	565.7	560.2	566.	567.	565.3	.....	566.2	566.	.....
16	566.6	567.7	567.1	567.	567.	567.2	566.2	566.	567.	567.1
17	563.7	565.5	564.7	565.5	565.5	565.7	565.2	564.4	565.	565.2
18	564.8	563.5	566.1	564.6	565.1	564.	565.	563.6	564.5	564.8
19	563.4	563.6	564.6	567.	566.5	566.1	564.6	570.	.....	564.4
21	562.8	576.1	580.	588.5	595.5	587.	587.9	575.	586.7	590.2
22	565.8	564.8	563.5	566.	565.	566.	566.	564.3	567.2	563.4
23	570.5	570.	569.1	567.8	567.	566.4	565.9	565.8	565.5	565.4
24	566.9	566.1	567.	566.	567.	566.2	566.6	566.8	566.4	565.7
25	564.	564.	563.9	564.2	564.	563.5	563.6	563.3	564.	563.5
26	563.	563.8	563.3	563.6	563.4	564.	563.8	563.7	563.9	563.6
28	563.5	563.2	563.8	562.9	562.6	562.1	563.	563.	562.	562.1
29	563.8	564.	563.4	562.7	562.7	563.	562.6	562.3	563.1	562.8
30	562.5	563.9	563.2	562.8	564.3	564.1	565.5	565.6	564.2	563.5
Means	566.	566.1	566.	566.5	566.9	566.5	566.6	566.1	566.8	566.8

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	3 00	3 06	3 12	3 18	3 24	3 30	3 36	3 42	3 48	3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
Nov. 1	565.1	564.5	564.	564.2	564.	563.4	563.3	562.5	562.5	562.3
2	563.5	564.3	564.	563.3	563.6	563.6	562.5	562.5	562.3	563.5
3	566.1	565.6	564.7	565.5	565.5	565.5	565.8	566.2	565.6	565.
4	563.4	564.6	565.7	564.7	564.3	564.1	564.1	563.5	563.4	563.3
5	565.7	565.6	565.8	565.6	566 5	565.5	566.9	567.5	568.5	567.7
7	565.3	566.2	566.	565.4	565.7	566.	566.	567.5	566.	566.6
8	567.2	566.5	566.5	567.	566.5	566.5	567.	567.2	567.4	567.1
9	572.2	572.1	573.	573.3	576.9	581.5	581.9	581.7	586.7	588.8
10	576.6	575.	575.5	577.2	575.5	571.4	569.	569.	569.6	569.7
11	567.	568.2	568.7	568.4	568.1	568.	566.7	567.2	566.9	567.5
12	565.5	566.	566.	565.2	565.4	565.	565.	565.4	565.	564.9
14	564.2	564.4	564.7	565.	565.2	565.	564.8	565.5	565.7	565.5
15	.....	.....	.....	.....	.....	.....	563.	565.2	565.7	566.2
16	567.4	567.5	567.4	567.	567.4	567.4	567.3	567.	566.7	566.6
17	565.	564.5	565.2	565.2	565.2	565.3	565.2	565.1	565.4	564.5
18	564.	.....	564.6	564.	564.6	565.9	565.	563.5	563.2	563.3
19	565.2	564.4	.....	560.9	561.4	559.4	553.7	548.	548.9	553.8
21	589.	588.3	578.5	576.8	588.4	592.4	590.8	590.2	598.7	607.6
22	565.2	566.	566.1	566.	565.6	565.5	566.5	567.5	565.7	565.8
23	564.1	563.9	564.5	563.6	563.9	562.9	563.8	564.4	562.7	563.1
24	567.	564.8	564.5	565.8	566.	565.	565.3	564.5	565.1	564.1
25	564.5	566.8	568.1	568.5	567.5	565.6	564.4	563.5	562.7	562.4
26	563.5	563.4	563.	563.4	563.4	563.	562.5	562.9	562.3	562.4
28	562.5	563.	562.7	562.6	563.	563.7	564.8	564.2	564.8	563.4
29	563.1	563.4	563.1	562.7	562.1	562.3	561.9	561.9	561.8	562.
30	564.7	565.9	565.	565.2	565.	564.7	563.9	563.2	564.3	563.9
Means	566.7	566.9	566.6	566.3	566 8	566.7	566.2	566.	566.4	567.

Göttingen time	h. m. 13 00	h. m. 13 06	h. m. 13 12	h. m. 13 18	h. m. 13 24	h. m. 13 30	h. m. 13 36	h. m. 13 42	h. m. 13 48	h. m. 13 54
Observatory time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
Nov. 1	568.3	568.9	567.6	567.3	567.5	568.	568.7	569.2	569.6	570.9
2	570.1	569.9	569.7	569.4	568.5	568.8	568.7	568.6	568.4	570.3
3	566.2	570.5	571.	569.4	571.5	568.3	569.7	571.5	570.4	571.7
4	571.2	570.4	569.1	569.6	570.3	570.1	571.	571.6	570.9	571.2
5	568.7	567.7	568.5	569.	568.8	569.8	569.1	569.	570.6	570.8
7	570.7	571.4	571.7	573.	572.5	572.9	571.9	571.3	572.2	573.3
8	568.3	568.3	568.8	569.5	570.4	570.5	572.	572.4	572.6	572.6
9	569.	569.2	571.	571.9	571.8	571.2	571.5	570.8	570.7	571.4
10	545.6	549.6	550.7	553.1	553.5	555.8	559.1	560.7	561.7	562.4
11	568.9	568.2	567.5	567.3	567.7	566.4	566.7	567.5	570.1	570.
12	573.1	572.2	569.8	567.8	569.1	568.9	569.5	568.1	569.9	570.5
14	570.6	569.9	571.3	571.5	570.	569.	570.7	570.	570.1	570.3
15	569.5	570.3	570.7	569.6	570.5	569.5	569.5	568.7	568.1	567.5
16	569.6	571.5	571.3	569.2	567.8	569.1	568.8	570.1	571.8	571.8
17	568.3	567.9	568.1	568.3	567.9	569.1	568.9	568.3	568.	568.4
18	568.8	569.4	570.5	570.5	570.5	571.1	570.9	571.2	570.9	571.2
19	570.4	570.3	571.	572.1	571.7	570.	569.	569.7	570.	570.
21	568.9	569.4	570.6	571.3	571.5	570.5	569.9	569.7	568.	567.7
22	.....	568.6	561.	558.2	555.	551.5	549.4	549.5	545.5	544.7
23	573.9	572.6	571.7	571.1	571.2	571.3	571.1	570.7	570.6	570.4
24	563.9	565.7	565.9	566.5	566.9	567.5	566.9	567.2	567.8	567.4
25	561.	564.4	564.3	567.5	565.4	565.	564.7	566.	566.8	566.5
26	565.6	565.9	566.	566.7	566.2	566.2	566.3	566.5	566.6	565.
28	563.	562.8	562.7	562.4	561.3	562.5	562.8	562.7	562.8	563.1
29	560.	558.6	558.7	559.	559.2	561.3	561.8	562.8	563.6	563.8
30	.....	.....	.....	564.5	563.2	562.5	561.9	563.4	562.	561.3
Means	567.4	567.8	567.6	567.5	567.3	567.2	567.3	567.6	567.7	567.9

Göttingen time Observatory time	h. m. 22 04 16 23½	Therm., Fah.	h. m. 22 10 16 29½	h. m. 22 16 16 35½	h. m. 22 22 16 41½	h. m. 22 28 16 47½	h. m. 22 34 16 53½	Therm., Fah.	h. m. 22 40 16 59½	h. m. 22 46 17 05½	h. m. 22 52 17 11½	h. m. 22 58 17 17½
Nov. 1	789.2	72.2	788.8	788.	787.2	786.5	786.	72.	785.	785.	784.3	784.
2	779.	73.	779.	779.2	780.	780.2	781.	73.3	781.	783.	784.	785.
3	754.	70.2	753.4	752.8	752.5	751.	750.5	70.	750.	749.7	749.5	750.6
4	737.4	68.	736.5	737.	735.	735.	733.2	67.1	732.7	731.4	731.2	730.3
5	713.1	67.	712.9	712.	712.	711.	711.	66.6	709.5	709.	708.6	708.
7	766.2	70.	766.	766.	765.2	763.8	764.4	69.5	763.	762.	761.	759.5
8	775.5	70.	775.	775.	775.	775.	774.	70.	772.8	771.1	770.	769.
9	786.	70.	786.2	785.5	784.5	783.7	782.	69.5	780.7	778.9	776.7	775.4
10	717.9	65.8	717.	717.	715.5	715.	714.1	65.4	713.7	713.	711.7	710.
11	690.9	64.2	690.2	690.	690.	689.6	688.8	64.	688.	687.9	687.	686.5
12	715.8	64.7	714.5	713.	712.1	711.	709.7	64.6	708.1	707.9	707.	706.
14	745.	69.1	745.5	746.	746.5	748.	749.	69.1	749.5	749.5	750.	749.3
15	730.7	68.2	731.2	733.	733.7	735.	736.8	68.6	737.4	737.7	739.5	740.
16	707.	66.	708.	709.2	710.8	712.5	714.8	67.6	716.3	719.	721.1	723.
17	743.	67.	742.	741.6	741.	741.	741.2	67.7	741.7	741.7	742.	743.
18	692.5	63.	692.1	691.5	691.	691.	690.4	63.2	691.	690.	690.5	690.1
19	690.2	63.2	688.7	688.4	687.2	686.4	685.6	61.4	685.	683.6	682.6	680.8
21	664.1	61.2	664.	662.	661.	659.	658.	61.	656.3	655.	653.6	651.
22	674.	64.	677.	679.2	682.	684.	686.5	65.2	688.1	690.4	693.	696.
23	806.	75.	807.	807.7	807.3	808.	808.2	74.5	808.9	808.5	808.5	807.9
24	707.2	65.3	706.9	706.	706.	706.2	706.	65.4	705.8	707.	708.	709.
25	704.2	66.	705.	704.4	704.1	704.	704.	65.9	703.6	704.	704.5	705.
26	752.7	69.7	752.	752.6	751.9	751.4	751.1	69.	750.1	749.6	749.	748.3
28	627.	57.	624.6	623.1	622.2	621.	618.9	56.6	618.	616.7	616.	615.
29	666.	62.	665.7	665.5	666.	666.	667.	66.	667.7	668.2	669.	670.5
30	643.5	60.5	642.7	643.	643.8	644.2	645.	61.5	647.	649.	650.9	652.9
Means	722.2	66.6	722.	721.9	721.7	721.5	721.4	66.7	721.2	721.1	721.1	721.
Reduced to 32° Fah.	254.7		254.3	253.9	253.5	253.	252.7		252.2	251.8	251.5	251.1

Göttingen time / Observatory time	h. m. 23 04 / 17 23½	Therm., Fah.	h. m. 23 10 / 17 29½	h. m. 23 16 / 17 35½	h. m. 23 22 / 17 41½	h. m. 23 28 / 17 47½	h. m. 23 34 / 17 53½	Therm., Fah.	h. m. 23 40 / 17 59½	h. m. 23 46 / 18 05½	h. m. 23 52 / 18 11½	h. m. 23 58 / 18 17½	Therm., Fah.
Nov. 1	783.7	71.6	783.	783.	782.	782.	781.9	71.5	781.3	781.	781.	779.5	71.4
2	786.	73.5	786.5	787.4	787.7	789.	789.	73.7	789.	789.2	790.1	790.5	73.8
3	751.	70.	751.	751.	751.1	752.	752.8	70.	753.	753.9	755.	756.1	70.
4	730.	67.	729.5	728.7	728.3	728.4	728.	67.	729.	729.	729.	729.	67.
5	707.	65.5	706.	705.7	705.	704.	703.	65.3	702.5	701.3	701.	699.2	65.
7	758.	68.5	756.2	754.	754.	752.	751.5	68.5	750.	750.	749.	747.5	68.5
8	767.8	68.2	767.	765.	763.9	762.6	761.8	67.9	758.8	757.1	755.8	754.	67.5
9	773.7	69.	772.	771.	769.	767.2	766.	68.8	764.5	763.7	763.	761.7	68.7
10	709.7	65.	708.7	708.2	707.	707.1	708.	65.	708.	708.	707.2	706.2	65.
11	686.	63.8	686.	685.	685.	684.	684.	63.9	683.9	683.6	683.	683.7	64.
12	705.8	65.	704.	704.	704.	704.	703.9	65.5	704.1	704.5	704.5	706.2	66.
14	750.5	68.7	750.2	750.	750.	750.5	749.5	68.4	749.	749.	749.	747.5	68.
15	742.	69.5	742.	743.7	744.2	746.	747.	69.8	749.	751.	753.7	756.2	70.
16	726.	69.3	728.	731.7	733.5	736.4	738.2	69.6	741.	743.	744.7	746.2	69.8
17	743.8	68.8	744.7	747.	748.	749.7	751.2	69.9	753.8	756.	759.	760.	71.
18	689.7	63.8	691.	690.9	691.1	692.	692.	64.6	693.	694.4	695.2	697.	65.
19	679.1	60.8	678.6	677.3	676.2	675.2	673.7	60.8	672.3	670.9	669.5	668.5	60.9
21	648.7	60.	647.1	646.	643.7	640.5	639.	60.3	637.	637.	637.	636.8	60.6
22	698.	66.4	699.	701.	703.	705.	706.	66.4	707.	708.	709.1	708.6	66.4
23	807.	73.	807.	806.	804.5	804.5	803.2	72.7	803.	803.	802.5	802.4	72.5
24	710.2	66.2	711.	711.9	712.9	713.5	714.4	66.4	†715.5	716.	716.4	717.2	66.5
25	706.5	67.1	708.	709.5	711.1	711.7	713.	67.4	712.5	713.9	715.5	716.4	67.8
26	747.3	68.	746.3	745.5	743.7	742.7	741.5	67.6	740.1	739.	737.4	736.2	67.2
28	614.5	58.	614.5	615.1	616.	616.3	617.2	58.2	617.7	618.2	618.1	619.	58.3
29	672.	67.3	672.	673.9	674.6	676.	676.5	65.	679.	680.	681.	681.7	64.
30	654.5	63.5	657.8	658.8	662.	663.7	*666.	64.9	667.	670.7	675.	678.2	66.2
Means	721.1	66.8	721.	721.5	721.2	721.4	721.5	66.9	721.7	722.	722.4	722.5	67.
Reduced to 32° Fah.	250.9		250.6	251.	250.5	250.6	250.5		250.5	250.5	250.7	250.5	

* Three minutes late. † One minute late.

Göttingen time..... Observatory time.....	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
Nov. 1	773.	69.3	771.7	†770.4	768.9	768.	767.3	69.	765.6	764.5	763.6	761.8
2	788.3	71.	787.5	787.7	787.4	786.2	785.1	70.5	783.9	783.3	782.1	781.3
3	735.4	61.5	735.	733.	732.	730.5	729.6	66.3	727.4	724.6	722.1	718.8
4	706.	65.1	705.7	704.9	704.	703.1	702.4	65.1	701.2	700.1	699.7	698.5
5	730.7	67.9	730.7	731.	731.3	731.	731.1	67.9	731.1	731.1	731.	731.4
7	*748.2	68.2	748.	747.7	747.6	747.7	747.2	68.2	747.1	746.6	746.2	745.8
8	772.9	69.8	775.	775.4	775.	774.2	774.	70.2	773.6	773.1	773.2	773.7
9	778.	71.2	778.4	778.8	779.	779.	780.	71.6	780.	780.6	781.2	781.5
10	712.2	62.8	711.2	707.7	706.1	702.5	699.1	62.	696.	694.2	691.2	689.1
11	712.1	64.8	711.4	713.2	711.8	710.6	708.9	64.8	706.9	706.2	704.	703.
12	748.7	67.9	746.4	743.	744.	743.9	742.6	67.9	742.3	741.5	741.7	741.2
14	741.	67.4	740.8	740.3	740.8	740.5	‡740.2	67.	739.5	739.7	738.2	737.7
15	740.9	66.	741.	740.9	741.	737.8	734.9	65.6	732.9	730.4	728.4	727.
16	681.	62.6	673.	678.4	677.4	676.5	676.	63.	675.	674.9	674.	673.8
17	763.2	69.7	762.6	763.1	762.7	763.4	762.5	69.4	761.9	761.4	761.1	760.4
18	809.3	72.3	810.	810.	813.6	813.3	811.5	71.7	809.4	807.1	807.2	805.6
19	718.	64.4	718.7	717.6	714.8	713.2	712.	63.	711.7	708.	705.5	702.7
21	689.6	63.3	691.	691.2	691.1	690.5	690.2	62.4	689.	688.4	686.4	686.1
22	668.4	60.	668.1	668.	667.9	669.	667.6	59.	665.2	663.2	660.7	658.2
23	727.6	64.4	727.7	728.2	726.6	725.2	723.1	64.	719.8	716.2	712.5	710.3
24	755.	69.	754.2	753.9	754.7	755.	755.5	69.6	755.8	757.2	757.7	758.2
25	746.2	67.6	745.5	744.1	743.3	742.3	741.4	67.3	740.1	739.7	739.5	738.8
26	723.9	67.5	723.7	723.9	723.5	723.9	723.7	67.6	723.6	724.	724.1	724.4
28	646.1	59.2	643.9	641.7	643.9	641.7	640.9	59.	640.	639.2	638.7	638.3
29	620.	59.1	621.4	623.6	626.5	628.4	630.4	59.5	632.6	633.5	633.4	635.2
30	643.7	58.	642.1	641.7	640.9	*639.8	*638.7	58.	*637.6	*636.5	635.3	633.
Means	726.1	65.7	725.6	725.4	725.2	724.5	723.7	65.7	722.7	721.7	720.7	719.8.
Reduced to 32° Fah.	270.4		269.9	269.8	269.6	269.	268.2		266.7	265.1	263.5	262.

* Supplied. † Two minutes late. ‡ One minute late.

Göttingen time Observatory time	h. m. 13 34 7 53½	Therm., Fah.	h. m. 13 40 7 59½	h. m. 13 46 8 05½	h. m. 13 52 8 11½	h. m. 13 58 8 17½	h. m. 14 04 8 23½	Therm., Fah.	h. m. 14 10 8 29½	h. m. 14 16 8 35½	h. m. 14 22 8 41½	h. m. 14 28 8 47½	Therm., Fah.
Nov. 1	760.2	68.9	759.3	758.5	758.	757.5	757.6	70.3	758.1	758.8	761.4	763.2	71.
2	780.8	70.8	780.3	780.1	780.	780.5	780.5	71.5	778.7	780.	780.3	780.9	71.5
3	717.	66.3	715.	713.6	713.	712.	712.	68.	712.	712.2	713.	715.	69.5
4	698.7	65.8	699.	699.3	700.5	701.6	702.3	66.6	704.	705.6	707.	708.2	67.4
5	*731.1	68.2	731.	731.4	731.	731.2	731.3	68.6	731.8	732.5	734.5	736.	69.1
7	744.5	68.1	744.1	743.1	742.7	742.9	742.1	68.1	742.	742.1	742.6	742.5	68.1
8	773.2	70.6	775.6	775.4	777.	778.2	780.	71.8	782.	783.7	786.	788.	73.2
9	782.9	72.	783.2	783.9	785.	785.7	787.5	72.5	788.1	789.7	790.6	792 2	72.8
10	686.9	62.5	685.	683.	682.	681.1	680.6	62.9	680.2	681.1	681.6	682.	64.3
11	701.8	64.8	701.2	700.8	700.6	700.7	701.4	66.	702.1	703.3	705.	707.	67.1
12	741.	68.5	741.	741.	741.3	742.	742.5	69.	743.5	745.	746.2	747.8	69.9
14	736.9	67.3	735.7	735.1	735.	734.5	736.3	67.5	735.5	736.7	737.4	738.6	68.7
15	725.5	65.4	720.6	719.2	718.7	717.	715.7	66.1	714.4	714.	714.2	715.1	67.7
16	673.9	63.7	674.8	676.2	677.	677.7	679.2	65.1	681.3	683.	686.2	688.7	66.4
17	760.5	69.2	759.6	759.4	759.1	758.9	759.	68.9	758.5	759.	758.9	758.5	68.3
18	804.4	71.1	802.7	801.5	799.4	798.1	796.4	70.7	795.	794.1	792.9	792.5	69.4
19	699.7	62.5	697.6	695.	692.5	690.	688.6	62.	687.5	686.	685.2	683.2	62.
21	685.7	62.3	684.5	683.5	683.1	682.9	683.3	62.2	682.7	683.	682.4	682.	62.4
22	656.4	59.	655.7	†653.2	653.	652.4	651.2	59.2	650.7	650.	648.4	647.8	59.9
23	707.8	63.9	704.7	703.2	702.4	702.1	700.7	64.4	700.4	699.8	699.6	699.3	64.7
24	758.4	70.2	758.7	760.	760.5	761.7	764.	70.9	763.7	765.7	767.5	768.8	71.2
25	737.	67.5	736.2	735.3	734.3	733.4	733.	67.8	732.5	732.3	732.2	732 5	68.6
26	723.2	67.8	723.3	723.3	722.9	723.1	722.7	67.9	723.	723.	722.6	721.6	67.6
28	638.9	59.8	638.5	638.5	639.	638.9	639.4	60.1	640.7	642.	644.	646.2	61.
29	636.3	60.5	637.	638.6	639.8	641.	642.2	61.7	644.5	645.6	647.5	649.6	62.6
30	630.4	58.	628.	624.7	620.6	616.9	609.9	55.7	606.8	602.3	596.4	595.2	54.5
Means	719.	65.9	718.2	717.6	717.2	717.	716.9	66.4	716.9	717.3	717.8	718.6	66.9
Reduced to 32° Fah.	260.6		258.7	257.	255.5	254.2	253.		251.3	250.	248.7	247.7	

* Three minutes late. † One minute late.

Göttingen time Observatory time	h. m. 11 32 5 51½	Therm., Fah.	h. m. 11 38 5 57½	h. m. 11 44 6 03½	h. m. 11 50 6 09½	h. m. 11 56 6 15½	h. m. 12 02 6 21½	Therm., Fah.	h. m. 12 08 6 27½	h. m. 12 14 6 33½	h. m. 12 20 6 39½	h. m. 12 26 6 45½	Therm., Fah.
Nov. 1	.....	66.	774.1	772.9	773.2	772.5	771.5	65.5	770.5	769.2	767.2	767.6	65.1
2	765.4	67.7	764.7	762.	*763.	761.2	762.6	67.5	763.7	764.5	765.2	767.4	67.2
3	769.8	64.3	769.1	769.5	769.9	764.6	769.2	63.7	774.4	775.8	775.6	768.7	63.2
4	†756.5	60.3	757.2	756.5	756.6	758.	751.7	60.2	755.	755.4	753.6	755.6	60.2
5	763.7	62.6	760.5	759.9	755.9	755.4	754.4	62.7	757.4	757.5	757.3	758.4	62.9
7	754.6	64.3	752.	753.8	755.8	755.	752.7	64.4	*754.7	754.6	754.9	753.9	64.5
8	766.5	66.7	771.4	*770.7	771.1	771.4	771.6	66.6	773.	772.9	773.7	776.1	66.5
9	758.	67.6	761.	760.9	760.4	761.5	761.2	67.5	761.6	762.5	762.7	763.	67.7
10	.....	59.8	.....	801.	794.6	790.1	784.6	59.5	781.5	775.2	770.9	770.9	58.8
11	.....	61.	.....	775.4	773.8	767.2	768 7	60.7	765.9	768.3	770.2	772.9	60.5
12	775.1	63.7	776.6	775.5	777.4	774.9	776.	63.7	780.	780.7	781.9	784.9	63.4
14	*770.6	62.2	768.2	768.9	768.9	770.	770.2	62.2	771.3	769.4	769.8	770.8	62.3
15	775.4	62.3	778.	780.7	780.7	778.9	776.9	62.	775.9	775.8	775.7	775.3	61.8
16	774.6	59.2	772.3	773.3	775.9	773.6	771.7	59.5	771.8	768.8	*764 5	762.7	59.3
17	783.	64.7	785.7	783.2	782.4	782.1	780.4	64.5	778.	782.2	783.7	784.	64.7
18	800.8	69.8	799.	798.3	794.4	792.8	791.1	69.7	786.9	787.7	789.8	791.6	69.5
19	741.6	58.	739.5	739.2	738.5	738.9	739.4	58.	744.1	743.4	†743.8	744.2	58.
21	755.3	56.7	752.2	752.	753.6	756.	748.6	56.8	748.7	746.6	745.7	745.6	56.8
22	777.5	57.4	779.	777.7	780.2	780.4	776.9	56.7	777.1	776.8	776.7	779.2	55.8
23	.....	61.7	*786.2	787.2	788.7	791.2	792.3	60.5	794.5	789.7	789.4	787.9	59.
24	.....	63.4	784.8	784.4	783.3	780.5	778.1	63.4	779.7	776.7	780.6	782.1	63.5
25	777.1	62.1	775.6	776.4	777.8	775.7	775.3	61.9	776.3	776.1	774.2	776.1	61.4
26	774.9	61.5	771.5	767.5	768.7	768.	771.5	61.8	768.2	767.9	767.9	769.2	61.7
28	736.5	51.8	735.2	734.	739.4	740.6	736.5	51.9	734.9	741.4	737.9	739.9	52.4
29	750.	52.4	747.9	746.8	746.1	748.1	746.	52.7	743.8	753.4	749.7	748.5	52.9
30	750.8	55.	749.	746.6	745.4	745.9	746.1	54.7	745.3	744.5	744.4	745.5	54.
Means	764.2	61.6	766.3	768.2	767.9	767.5	766.4	61.5	766.7	766.8	766.4	767.	61.3
Reduced to 32° Fah.	690.7		692.1	694.2	694.	693.7	692.7		693.2	693.4	693.1	693.8	

* One minute late. † Two minutes late.

Göttingen time..... Observatory time.....	h. m. 21 02 15 21½	Therm., Fah.	h. m. 21 08 15 27½	h. m. 21 14 15 33½	h. m. 21 20 15 39½	h. m. 21 26 15 45½	h. m. 21 32 15 51½	Therm., Fah.,	h. m. 21 38 15 57½	h. m. 21 44 16 03½	h. m. 21 50 16 09½	h. m. 21 56 16 15½
Nov. 1.....	786.2	69.2	786.7	787.9	787.2	787.1	786.	68.7	785.	784.2	785.	781.2
2.....	775.7	68.6	778.4	781.9	782.4	793.5	801.5	68.6	803.5	806.7	811.	809.5
3.....	778.7	66.5	779.	781.5	.....	789.7	788.6	66.3	786.7	787.5	786.5	787.5
4.....	.....	64.3	767.1	765.3	766.4	766.	765.4	64.2	766.1	768.5	766.7	765.2
5.....	766.2	64.	766.	765.2	765.2	764.	764.	64.	763.5	763.2	764.5	764.2
7.....	780.	68.	778.5	780.6	779.7	780.5	779.7	67.8	779.5	778.3	777.6	777.5
8.....	778.	66.5	777.	775.5	777.2	776.2	780.	66.5	773.7	776.2	773.2	776.
9.....	792.7	68.	788.1	787.5	787.6	791.5	791.6	68.	796.5	793.8	788.5	792.
10.....	807.2	62.2	800.5	793.8	789.7	788.	787.5	61.4	787.	786.3	792.2	788.1
11.....	782.3	61.	781.	782.7	782.3	777.	778.	61.	777.8	780.3	779.7	781.7
12.....	795.7	62.4	792.	792.5	793.2	789.1	790.	62.	789.1	789.5	788.4	790.4
14.....	779.5	63.9	773.4	776.2	779.7	775.	774.2	64.5	774.	776.8	776.9	777.9
15.....	765.8	61.8	767.2	766.3	766.5	765.1	765.5	62.	763.7	765.2	765.5	767.7
16.....	786.8	61.5	785.	783.	782.	779.7	778.7	61.7	778.7	775.7	774.3	774.
17.....	787.	64.3	789.5	788.3	788.2	787.7	785.	64.	783.3	779.4	782.5	782.2
18.....	766.5	59.7	768.7	765.7	767.5	763.9	761.5	58.8	759.1	751.2	751.	751.2
19.....	737.5	58.3	736.2	739.4	736.5	732.6	736.3	58.5	735.2	735.2	732.7	732.8
21.....	789.7	57.	791.2	793.5	797.	799.6	801.5	56.7	799.6	799.6	804.2	801.9
22.....	781.7	57.1	781.2	780.	779.7	*777.5	779.5	57.6	779.5	783.2	779.5	779.5
23.....	797.	66.5	799.2	797.	797.2	794.5	789.2	67.	794.5	793.7	790.2	791.5
24.....	788.3	60.4	787.8	784.	786.6	789.	790.3	60.	790.8	789.	789.2	786.5
25.....	786.8	61.2	786.2	786.5	788.	786.3	784.5	61.	784.7	786.5	780.5	780.1
26.....	779.5	64.6	778.	778.7	780.7	778.5	779.6	64.6	782.	783.	782.2	780.1
28.....	757.	53.8	754.4	754.3	753.5	754.8	753.5	52.8	753.	754.5	753.1	749.5
29.....	755.7	55.2	752.2	748.7	749.2	740.7	746.2	55.	749.	745.	751.2	748.2
30.....	773.2	54.	771.	769.5	768.5	766.5	766.7	54.	768.4	767.7	771.2	776.5
Means.....	779.	62.3	777.6	777.1	777.3	776.7	777.1	62.3	777.1	776.9	776.8	776.8
Reduced to 32° Fah.....	703.5		702.	701.4	701.6	701.	701.4		701.5	701.4	701.4	701.6

* One minute late.

Göttingen time Observatory time	h. m. 22 02 16 21½	Therm., Fah.	h. m. 22 08 16 27½	h. m. 22 14 16 33½	h. m. 22 20 16 39½	h. m. 22 26 16 45½	h. m. 22 32 16 51½	Therm., Fah.	h. m. 22 38 16 57½	h. m. 22 44 17 03½	h. m. 22 50 17 09½	h. m. 22 56 17 15½	Therm., Fah.
Nov. 1	783.	68.6	782.3	782.7	783.	781.	781.7	68.8	780.5	779.3	778.4	778.6	68.9
2	809.2	69.	809.	802.7	803.7	804.2	800.4	69.5	804.	802.2	797.7	800.6	70.
3	794.7	66.	798.8	801.4	800.7	797.	794.2	66.	794.	795.7	800.5	795.2	66.
4	763.7	64.	766.	764.3	764.	764.2	762.7	64.	762.7	762.	759.1	760.7	64.
5	762.8	64.	765.2	765.5	766.	764.2	765.	64.	764.2	762.	762.	762.2	64.
7	779.	67.	779.6	776.9	777.	776.	776.2	66.9	774.7	775.9	774.4	775.7	66.8
8	773.5	66.	773.3	772.2	772.2	774.	772.4	66.	773.	770.5	768.7	771.2	66.
9	793.5	66.5	794.8	794.7	794.5	791.2	790.2	66.	783.7	788.6	791.	789.	65.5
10	788.	61.7	791.	789.	788.4	795.	794.2	61.8	794.7	794.6	796.7	799.2	61.9
11	781.1	60.8	783.	784.	781.	793.2	798.	60.5	801.8	799.5	798.9	794.3	60.2
12	788.9	61.6	788.5	787.2	784.7	783.1	780.7	61.5	779.7	780.7	780.7	775.7	61.4
14	777.2	64.8	776.7	779.2	777.1	776.	775.5	64.9	775.5	775.5	778.7	777.	65.
15	767.2	63.	766.5	770.2	768.5	760.	766.9	63.5	766.5	767.2	766.6	762.7	64.
16	773.2	62.	773.5	770.5	771.	769.	770.	63.	772.7	769.2	773.6	772.	63.8
17	782.7	63.8	780.2	779.7	779.2	778.	773.9	63.8	777.5	776.5	774.7	775.2	63.8
18	751.3	58.3	750.2	757.5	758.	757.	750.	58.1	755.	752.	752.8	751.2	58.
19	734.4	58.	737.2	737.8	737.	740.	741.5	56.8	743.	742.3	741.6	739.5	56.5
21	802.5	56.5	804.7	808.2	808.	810.5	819.	56.3	817.7	822.2	823.7	827.	56.1
22	778.	58.	777.5	785.5	788.	782.5	785.2	58.1	783.	780.4	777.	779.7	58.2
23	795.5	67.	797.7	798.7	793.4	796.2	795.3	67.	798.	799.	800.2	798.2	67.
24	786.3	59.7	786.6	786.4	785.2	787.	785.2	59.4	785.4	784.	784.5	783.	59.2
25	783.5	61.1	782.2	779.5	783.	782.1	780.7	61.2	782.7	781.3	782.7	782.4	61.9
26	784.7	64.3	785.6	784.5	781.4	785.	784.1	63.8	783.2	782.5	780.6	784.	63.5
28	747.3	51.5	749.5	745.5	746.	745.5	746.5	51.2	746.8	744.5	744.5	746.4	51.
29	742.2	55.	746.	748.2	747.2	747.7	744.	55.	742.	746.2	744.5	746.5	55.
30	775.7	54.2	770.7	775.	778.	778.2	780.3	55.3	783.6	782.6	781.7	783.	56.
Means	776.9	62.	777.6	778.	777.6	777.6	777.5	62.	777.9	777.6	777.5	777.3	62.1
Reduced to 32° Fah.	701.9		702.6	703.	702.6	702.6	702.5		702.9	702.5	702.4	702.1	

Göttingen time..... Observatory time.....	h. m. 1 02 19 21½	Therm., Fah.	h. m. 1 08 19 27½	h. m. 1 14 19 33½	h. m. 1 20 19 39½	h. m. 1 26 19 45½	h. m. 1 32 19 51½	Therm., Fah.	h. m. 1 38 19 57½	h. m. 1 44 20 03½	h. m. 1 50 20 09½	h. m. 1 56 20 15½
Nov. 1.....	778.5	69.	779.2	777.4	780.	779.6	780.	69.	781.8	783.	784.2	783.7
2.....	794.2	70.3	792.7	791.7	792.9	794.7	795.9	70.3	795.5	792.5	792.	792.
3.....	778.2	66.2	778.4	778.7	778.	775.7	776.2	66.	772.5	773.4	772.8	774.
4.....	760.2	64.	759.7	759.2	760.5	760.5	759.5	64.1	759.1	760.7	761.2	759.2
5.....	762.8	61.8	763.5	763.8	765.5	764.4	764.5	64.2	764.7	764.2	763.5	762.7
7.....	772.6	66.2	773.	772.	772.2	772.9	772.7	66.	773.5	774.	774.4	774.
8.....	767.6	64.2	768.4	768.	768.8	766.9	767.5	64.	764.	746.5	751.8	753.1
9.....	806.	63.5	805.5	807.	809.7	813.	812.7	63.	806.4	804.7	802.7	802.7
10.....	806.	60.8	807.	809.8	807.4	808.	807.	60.5	809.	811.7	812.6	808.3
11.....	780.	61.	779.	782.7	782.3	780.8	782.	61.1	781.2	780.8	778.2	781.
12.....	795.2	62.5	801.4	806.7	800.2	801.7	797.5	62.7	797.5	797.5	792.5	788.8
14.....	780.	63.	780.	780.	778.5	780.2	778.3	62.9	777.3	779.5	777.2	777.7
15.....	765.9	66.5	767.2	768.	768.	770.5	771.	66.5	772.	773.	771.5	772.5
16.....	775.5	64.8	775.5	777.4	777.7	777.2	776.5	64.9	777.2	775.	774.3	776.5
17.....	780.4	67.8	777.4	778.	778.5	778.4	775.1	68.	778.	776.2	777.7	781.
18.....	749.2	59.8	755.	751.2	750.5	752 5	752.1	59.4	749.2	752.5	748.7	750.2
19.....	761.1	57.3	776.5	762.3	761.3	762.7	759 3	58.	758.	755.8	756.2	757.2
21.....	836.2	55.6	855.2	862.7	847.5	845.4	850.2	55.2	838.	806.7	827.	830.5
22.....	786.5	60.5	787.4	781.2	786.4	788.6	779.3	60.5	780.4	786.	785.	789.2
23.....	804.6	65.7	810.	810.7	809.	806.	804.1	65.6	802.3	802.7	804.	804.5
24.....	781.	59.8	777.7	778.5	780.6	776.7	786.4	59.5	784.	784.2	781.	782.2
25.....	785.7	62.3	784.4	786.7	787.	787.	787.5	62.2	787.7	788.	786.	788.8
26.....	783.	62.7	782.3	785.3	785.	784.8	781.3	62.9	787.4	787.2	786.8	785.
28.....	752.	51.5	751.	750.2	747.2	750.5	746.5	51.8	748.5	748.	749.2	743.
29.....	757.7	56.2	756.5	757.2	755.2	754.7	754.5	56.	756.7	756.5	754.4	751.7
30.....	784.	59.4	785.	785.	786.	782.5	785.1	59.	788.9	787.2	787.7	786.2
Means.....	780.2	62.4	781.9	782.	781.4	781.4	780.9	62.4	780.4	778.8	778.9	779.1
Reduced to 32° Fah...	704.2		705.9	706.	705.4	705.4	704.9		704.5	703.	703.1	703.4

Göttingen time Observatory time	h. m. 2 02 20 21½	Therm., Fah.	h. m. 2 08 20 27½	h. m. 2 14 20 33½	h. m. 2 20 20 39½	h. m. 2 26 20 45½	h. m. 2 32 20 51½	Therm., Fah.	h. m. 2 38 20 57½	h. m. 2 44 21 03½	h. m. 2 50 21 09½	h. m. 2 56 21 15½	Therm., Fah.
Nov. 1	785.8	69.	784.8	784.1	783.	781.4	785.	69.	783.2	785.	784.5	783.7	69.
2	792 5	70.	792.6	791.5	792.7	793.1	794.	70.	785.9	798.8	799.	799.5	70.
3	773.	65.7	773.2	775.2	774.5	773.	772.5	65.4	772.2	773.	774.	773.	65.1
4	760.2	64.	762.7	762.4	762.7	763.	764.6	64.	766.5	761.8	764.	765.2	64.
5	763.1	64.	762.7	762.4	762.7	763.	764.6	63.8	763.4	763.6	764.6	763.3	63.6
7	775.2	65.8	775.3	774.8	775.2	774.5	776.	65.6	776.2	776.3	777.5	778.	65.4
8	754.7	64.	757.	756.2	758.	754.6	755.4	64.	756.6	756.	756.5	755.4	64.
9	802.	62.6	797.5	788.	784.5	782.2	778.	62.2	775.2	771.	769.	776.	62.
10	810.2	60.6	810.5	807.4	802.9	803.5	806.6	60.7	801.1	797.2	795.2	788.9	60.8
11	780.2	61.1	780.	781.2	776.7	780.	776.2	61.1	774.5	779.2	778.5	775.	61.1
12	781.	63.	780.	780.8	780.5	775.1	780.7	63.3	778.5	775.1	776.2	778.7	63.5
14	779.	62.6	777.	777.6	774.3	775.2	774.4	62.3	774.1	770.5	772.7	772.5	62.
15	772.7	66.2	772.2	772.5	777.	771.8	774.7	66.	774.	756.	.....	.....	65.8
16	776.7	65.5	773.	775.	778.7	779.5	777.7	66.	778.6	781.2	777.	777.5	66.4
17	780.7	68.4	782.5	778.2	782.	779.2	785.5	68.8	783.	775.7	785.	781.5	69.
18	748.9	58.8	749.	747.7	747.2	752.7	750.8	58.4	747.	749.9	749.3	752.4	58.
19	760.8	58.8	762.1	761.3	762.6	760.7	769.5	59.	774.1	759.8	764.	767.9	59.
21	848.	55.	845.5	854.7	851.7	843.	841.5	54.8	829.2	847.6	853.	848.5	54.6
22	785.4	60.	786.3	791.	775.7	785.7	783.7	59.5	784.6	784.8	785.2	785.7	59.1
23	801.7	65.	799.6	798 5	799.5	802 7	801.6	64.8	800.7	799.8	798.7	799.	64.6
24	780.	59.	779.	781.7	785.5	783.5	784.2	58.5	786.2	782.4	786.1	785.7	58.
25	787.8	62.2	789.3	780.2	789.1	787.3	791.	62.5	788.4	791.2	789.6	794.	62.7
26	787.3	63.2	788.4	787.6	786.	785.	785.7	63.7	786.4	785.6	784.9	785.7	64.1
28	745.5	52.	743.5	744.	750.2	744.5	749.7	52.2	752.2	754.5	756.	756.9	52.4
29	756.	55.3	754.	749.7	752.4	755.5	749.2	55.	746.5	753.7	753.2	751.7	54.8
30	787.5	57.5	787.1	784.7	785.7	782.7	785.4	56.7	786.6	785.4	783.7	785.3	56.
Means	779.8	62.3	779.4	779.	778 9	778.2	779.2	62.2	777.9	777.5	779.1	779.2	62.1
Reduced to 32° Fah.	704.1		703.7	703.4	703.3	702.7	703.7		702.5	702.1	703.8	704.	

Göttingen time..... Observatory time.....	h. m. 15 32 9 51½	Therm., Fah.	h. m. 15 38 9 57½	h. m. 15 44 10 03½	h. m. 15 50 10 09½	h. m. 15 56 10 15½	h. m. 16 02 10 21½	Therm., Fah.	h. m. 16 08 10 27½	h. m. 16 14 10 33½	h. m. 16 20 10 39½	h. m. 16 26 10 45½
Nov. 1.....	787.7	66.	786.2	786.3	787.7	785.9	787.8	66.3	788.5	788.2	786.8	786.
2.....	783.3	67.5	782.1	780.4	779.3	778.7	779.3	67.5	778.6	779.5	779.6	780.5
3.....	781.	66.3	787.7	791.5	785.	.....	774.	66.4	772.2	770.8	768 2	767.5
4.....	771.5	61.9	774.5	*777.4	775.	774.8	775.	62.1	774.	778.7	780.3	781.
5.....	780.8	62.7	780.3	780.5	783.	784.6	783.1	63.	784.5	781.7	781.6	785.1
7.....	786.1	65.4	786.5	790.2	790.4	789.7	791.8	65.7	791.7	792.4	794.4	795.7
8.....	803.6	69.6	800.2	801.8	802.	800.	800.2	69.2	799.4	800.8	801.	800.
9.....	.....	69.1	802.5	803.	804.8	803.2	805.	69.4	805.3	806.5	806.1	805.6
10.....	814.3	60.8	823.9	833.	837.3	841.	840.8	61.	831.8	828.7	821.5	821.3
11.....	806.	62.	807.5	805.3	805.8	808.4	809.2	61.9	812.3	819.	824.6	825.
12.....	810.2	63.4	811.1	810.3	810.6	811.5	812.6	63.	807.7	806.5	805.7	802.5
14.....	791.3	63.5	792.3	788.7	789.8	791.5	791.2	63.	791.2	791.7	790.	791.3
15.....	787.1	64.	785.8	789.4	791.2	785.	788.6	64.	793 5	†790.2	791.2	788.2
16.....	783.7	62.7	788.6	788.5	790.1	792.2	792.1	62.6	795.5	796.6	797.	796.6
17.....	798.8	64.2	803.3	803.5	802.4	803.4	801.6	64.3	803.5	804.5	801.9	802.3
18.....	817.	67.8	817.7	816.5	817.	817.7	817.1	68.	815.8	817.9	817.5	815.8
19.....	765.5	56.7	765.8	768.2	765.8	768.5	766.7	56.1	765.7	766.1	766.5	767.6
21.....	763.7	56.5	765.8	767.5	769.7	772.	771.8	56.7	772.5	773.7	771.	766.5
22.....	795.6	55.3	796.4	802.	805.	804.	802.3	55.7	794.6	795.6	790.9	787.8
23.....	786.1	60.4	788.2	786.7	786.4	793.2	790.7	60.9	793.	794.1	798.8	796.4
24.....	804.1	64.3	804.8	805.	806.3	805.8	808.8	64.	816.	817.7	819.	821.8
25.....	786.6	63.1	787.1	790.1	789.5	790.5	790.7	63.3	792.5	794.7	795.5	798.5
26.....	777.6	60.7	780.1	779.3	779.	780.4	781.1	60.7	780.6	780.3	780.	779.6
28.....	749.	53.6	751.5	752.	752.2	749.2	746 6	54.5	752.5	753.	753.4	753.7
29.....	744.7	55.	750.6	756.	755.4	753.6	753.7	55.4	750.7	755.1	752.1	755.7
30.....	762.1	50.4	763.4	766.6	761.2	757.	769.6	50.	.....	.....	.....	.....
Means.....	785.5	62.	787.8	789.2	789.3	789.7	789.7	62.1	790.5	791.3	791.	790.9
Reduced to 32° Fah...	711.8		712.8	714.2	714.2	715.	714.5		714.	714.8	714.5	714.4

* Five minutes late. † Two minutes late.

Göttingen time Observatory time	h. m. 16 32 10 51½	Therm., Fah.	h. m. 16 38 10 57½	h. m. 16 44 11 03½	h. m. 16 50 11 09½	h. m. 16 56 11 15½	h. m. 17 02 11 21½	Therm., Fah.	h. m. 17 08 11 27½	h. m. 17 14 11 33½	h. m. 17 20 11 39½	h. m. 17 26 11 45½	Therm., Fah.
Nov. 1	788.8	67.2	788.8	789.8	789.3	791.7	791.7	67.9	792.6	792.	791.2	791.5	68.4
2	778.	67.6	775.2	779.	778.7	777.	777.7	67.7	778.6	776.9	779.5	.....	67.8
3	764.3	66.4	770.3	768.9	770.5	769.8	776.1	66.4	777.5	777.7	782.8	782.8	66.4
4	784.4	62.7	782.8	781.5	782.4	786.3	783.7	63.2	785.6	786.	786.1	.....	63.3
5	782.3	63.6	786.2	785.5	787.	787.	786.9	64.	787.	789.2	787.3	788.	64.
7	795.2	66.	793.5	795.2	796.3	797.2	797.7	66.4	796.8	797.	797.1	797.3	66.6
8	798.3	69.3	799.1	801.1	800.2	799.6	800.1	69.5	798.9	797.6	797.7	797.6	69.3
9	805.	68.6	803.7	805.2	806.7	805.4	804.2	69.	803.	804.	801.	799.1	69.4
10	819.1	61.3	812.	811.	811.2	808.3	.....	61.5	807.1	806.5	807.5	.....	61.7
11	822.1	61.8	817.9	818.	812.8	810.8	809.7	61.7	809.1	809.8	808.3	.....	61.7
12	801.9	63.	805.2	806.	805.2	805.5	806.	63.7	806.4	803.5	804.5	803.7	64.1
14	792.4	63.	791.	792.	792.7	793.	792.1	63.	790.6	791.2	791.4	790.5	63.
15	792.7	63.8	793.6	791.	792.6	790.9	791.6	63.6	789.7	790.7	789.	.....	63.4
16	796.4	62.3	795.5	794.	794.5	795.1	794.8	62.2	796.9	796.2	798.	797.3	62.3
17	802.7	64.5	802.7	802.7	802.7	803.2	803.5	64.5	803.6	802.5	804.5	800.7	64.3
18	815.8	67.8	816.5	811.3	815.4	813.8	815.2	67.6	814.7	814.	.....	.....	67.4
19	767.8	55.9	766.	766.9	764.3	764.	765.8	56.2	763.8	766.5	766.7	.....	56.4
21	770.2	56.4	770.2	770.9	773.7	773.8	775.4	56.5	773.6	772.	771.1	770.8	56.5
22	787.7	56.5	791.5	791.	791.2	786.9	791.	57.3	792.	788.7	789.4	789.5	57.8
23	802.2	61.4	804.9	801.2	800.2	803.2	804.1	61.9	803.8	802.2	800.3	801.6	62.1
24	825.7	63.4	826.	826.5	829.	829.6	830.2	62.9	830.3	825.7	825.7	820.	62.7
25	797.3	63.7	800.3	801.1	803.5	804.1	806.2	64.	807.9	808.4	808.5	808.6	63.5
26	780.	61.3	777.3	782.4	780.	781.3	782.2	62.2	785.1	785.4	783.5	787.1	62.8
28	753.8	55.	753.6	753.5	753.9	754.9	757.1	55.2	*757.1	757.2	757.2	758.1	55.4
29	756.1	55.6	759.6	760.3	758.4	758.7	762.5	56.1	762.	762.	760.7	761.3	56.1
30	780.	45.3	775.2	768.8	771.5	772.8	771.	45.6	772.3	774.7	771.4	769.5	47.
Means	790.8	62.1	790.7	790.6	790.9	790.9	791.1	62.3	791.7	791.4	790.4	790.3	62.4
Reduced to 32° Fah.	715.6		715.4	715.2	715.4	715.3	715.4		715.2	715.5	715.	714.8	

* Supplied.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	6 00	6 06	6 12	6 18	6 24	6 30	6 36	6 42	6 48	6 54
Observatory time	0 19½	0 25½	0 31½	0 37½	0 43½	0 49½	0 55½	1 01½	1 07½	1 13½
Dec. 1	562.8	562.9	562.9	562.7	562.1	562.1	563.	562.7	562.3	562.7
2	563.	563.1	563.5	562.7	563.2	562.9	562.9	563.	562.6	562.1
3	560.7	560.9	560.7	561.	560.1	560.4	560.1	560.	560.	560.4
5	562.	561.5	561.1	561.3	560.8	560.5	560.3	560.2	560.5	560.4
6	561.9	563.1	563.	563.6	564.1	564.4	565.3	564.7	564.	562.8
7	564.5	564.5	563.6	563.9	563.7	563.6	563.6	563.3	563.8	564.4
8	561.7	561.8	561.5	561.6	562.4	561.7	561.9	561.7	561.8	*561.6
9	558.7	560.3	560.7	562.2	562.7	561.5	561.1	560.	560.3	560.8
10	563.7	563.7	565.3	564.4	562.7	563.4	563.	564.	562.2	562.
12	562.5	562.2	562.3	562.	562.	561.9	561.9	561.9	562.2	562.
13	564.	563.9	563.9	563.7	564.1	563.3	563.5	563.2	563.3	564.6
14	562.6	563.	562.8	562.8	563.3	563.5	563.	563.8	564.5	564.5
15	564.6	*562.9	562.4	562.6	562.7	562.3	562.4	562.	561.6	561.2
16	.....	.....	.....	.....	.....	563.	562.4	561.6	562.	562.
17	564.5	564.	563.6	563.5	564.5	564.3	564.3	564.	563.6	563.6
19	559.5	559.5	560.5	560.1	560.	559.5	559.7	560.2	560.	560.
20	556.5	556.2	558.	558.6	558.3	558.	558.	557.1	557.2	557.2
21	559.2	559.3	559.	558.5	559.1	559.	558.7	558.	558.4	557.4
22	561.2	560.	560.6	560.2	560.7	561.	560.1	560.5	561.1	561.1
23	563.6	563.	562.3	562.2	562.	561.9	561.8	562.4	561.6	560.4
24	560.8	560.5	560.	560.	560.2	560.2	561.6	560.8	560.6	560.6
26	560.2	560.1	559.8	559.6	558.8	559.3	559.3	558.9	559.9	559.5
27	562.8	561.8	561.1	561.5	561.4	560.6	560.6	560.6	561.8	562.
28	564.2	564.2	563.6	563.2	563.	562.	561.6	561.3	561.	560.8
29	559.4	558.6	558.5	558.8	559.9	559.2	559.4	559.3	558.7	558.6
30	560.8	561.6	559.8	557.9	557.4	558.7	558.1	558.6	559.	558.2
31	558.7	557.8	558.8	561.3	561.9	562.4	562.1	562.	561.8	562.
Means	561.7	561.6	561.5	561.5	561.6	561.5	561.5	561.3	561.3	561.2

* One minute late.

Göttingen time	h. m. 7 00	h. m. 7 06	h. m. 7 12	h. m. 7 18	h. m. 7 24	h. m. 7 30	h. m. 7 36	h. m. 7 42	h. m. 7 48	h. m. 7 54
Observatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 13½
Dec. 1	562.3	562.5	562.5	562.1	562.4	†562.6	563.	563.	562.4	561.8
2	561.7	561.8	561.2	561.5	560.6	560.6	561.1	561.6	561.8	561.6
3	560.5	560.	560.	560.	559.8	560.3	560.4	560.5	560.8	560.9
5	560.6	560.9	560.8	560.	560.	560.8	561.7	560.6	559.7	559.6
6	563.3	563.4	561.9	561.	562.4	564.3	564.4	567.6	570.5	571.4
7	.....	.....	563.7	564.7	.....	.....	.....	562.4	562.	564.2
8	560.5	560.8	561.4	561.6	561.6	561.6	562.5	561.9	559.2	557.4
9	559.2	559.8	559.9	559.	560.	561.2	561.1	561.6	562.9	562.6
10	562.2	563.2	562.9	562.5	563.2	564.5	564.	563.8	564.	563.4
12	561.7	561.6	561.2	561.8	561.1	561.3	562.	560.7	560.8	560.9
13	562.8	564.6	564.9	563.4	*563.5	†563.3	562.5	563.5	562.8	562.6
14	564.8	564.5	563.4	561.9	.....	559.1	559.7	558.5	556.8	556.4
15	561.5	561.4	561.3	561.7	†561.	561.	560.8	559.9	.....	561.4
16	561.7	561.8	562.7	562.6	562.1	562.5	561.	561.5	561.4	561.2
17	563.2	563.	562.7	561.8	561.	560.9	560.3	560.8	562.4	561.8
19	559.7	559.4	559.7	558.9	558.7	558.9	559.5	559.6	560.	560.5
20	556.3	558.	557.2	557.5	557.4	558.2	558.3	558.3	558.5	558.
21	557.6	558.	558.2	559.	559.3	559.9	558.2	557.9	557.7	558.1
22	560.9	561.3	560.8	561.	559.8	560.9	560.5	560.8	561.	560.7
23	561.	561.9	561.4	562.9	562.8	562.4	561.	562.3	563.5	562.4
24	560.2	559.8	560.	560.8	560.3	560.8	560.3	560.4	560.	559.7
26	558.9	559.2	559.7	559.6	559.8	559.7	559.	560.1	559.4	560.5
27	561.7	561.2	.....	562.1	562.2	561.1	561.1	.....	.....	560.9
28	560.6	560.5	560.5	560.5	560.6	560.3	560.6	560.2	560.	560.
29	558.6	558.5	559.1	558.4	559.3	558.5	558.7	559.	559.	559.6
30	557.1	556.8	554.7	556.2	556.1	560.8	562.7	562.4	562.6	562.2
31	562.4	561.1	561.1	561.	561.5	561.4	561.5	561.4	561.7	561.
Means	560.8	561.	560.9	560.9	560.7	561.	561.	561.2	561.2	561.1

* Three minutes late.

† One minute late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	18 00	18 06	18 12	18 18	18 24	18 30	18 36	18 42	18 48	18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
Dec. 1	558.4	558.6	558.8	559.7	559.	559.7	559.9	559.7	560.	559.7
2	559.7	559.4	559.4	559.1	559.1	559.	559.4	559.	559.5	559.5
3	557.2	557.4	556.8	556.8	556.5	556.7	556.7	556.9	557.	556.3
5	552.8	553.1	552.8	553.1	553.	553.	553.	553.	553.1	553.
6	558.5	558.1	557.7	557.3	556.8	557.	556.7	556.9	557.	557.1
7	553.	553.2	552.8	554.	554.	555.4	555.	554.4	552.4	551.5
8	558.7	557.2	556.5	556.3	556.6	557.1	557.	556.2	555.6	555.5
9	552.3	553.2	554.7	555.4	555.7	556.3	555.6	553.9	552.1	551.4
10	556.1	557.	557.5	556.	555.6	555.5	555.5	556.	555.9	555.6
12	557.9	557.7	557.1	557.3	557.	557.4	557.3	556.9	556.8	557.
13	560.6	560.3	560.	559.4	559.1	559.2	558.5	557.8	556.6	552.8
14	560.	559.2	557.5	559.1	559.7	559.5	559.5	559.1	559.7	559.7
15	557.1	557.2	556.3	555.7	557.2	556.5	556.5	556.	556.3	556.
16	560.	560.6	559.8	559.6	559.9	559.	560.	560.	559.8	559.7
17	558.5	558.4	558.5	559.5	559.7	560.1	560.1	560.1	560.7	561.1
19	558.	557.2	556.3	555.	554.9	554.3	552.9	553.5	553.8	554.3
20	555.	555.5	554.7	555.5	556.	555.5	555.6	555.6	555.7	556.5
21	552.5	553.1	552.7	552.	552.5	552.4	552.	551.5	551.9	551.8
22	555.5	555.2	555.7	555.2	554.5	554.9	555.2	555.9	555.6	555.5
23	559.	558.5	558.1	557.4	557.8	557.	557.4	558.	557.5	556.6
24	555.5	555.2	555.2	555.1	555.	555.5	554.7	554.1	554.	554.1
26	557.8	557.7	556.9	555.8	555.5	555.9	554.7	554.3	554.	553.5
27	554.9	554.4	554.2	553.7	552.9	553.4	552.8	552.	551.2	551.5
28	552.8	552.6	552.	552.1	551.9	551.8	551.5	552.3	552.4	552.5
29	551.2	550.3	550.	549.9	550.2	549.3	550.	549.3	549.6	550.
30	564.9	563.8	563.	561.3	560.	558.6	557.5	560.5	559.8	559.5
31	558.3	558.7	557.8	557.8	557.6	556.9	556.8	556.9	556.3	556.4
Means	556.9	556.8	556.4	556.3	556.2	556.2	556.	555.9	555.7	555.5

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	2 00	2 06	2 12	2 18	2 24	2 30	2 36	2 42	2 48	2 54
Observatory time	20 19½	20 25½	20 31½	20 37½	20 43½	20 49½	20 55½	21 01½	21 07½	21 13½
Dec. 1	564.2	563.7	566.5	563.8	564.	564.7	561.5	565.1	564.4	565.2
2	563.6	563.4	563.	562.5	563.3	564.5	563.	562.6	562.9	563.
3	563.7	563.	563.2	563.	563.5	562.9	.....	562.9	563.	.....
5	564.7	564.8	565.	565.	565.1	565.5	566.	565.2	565.5	565.8
6	565.	565.	565.	564.3	564.5	563.6	563.7	563.5	563.	563.1
7	566.3	566.7	565.7	563.8	564.	564.7	564.7	566.	565.5	566.6
8	564.3	564.	564.	565.	565.4	566.7	567.	570.3	571.5	569.
9	559.5	559.2	562.2	565.	565.4	566.4	567.5	566.9	570.2	569.
10	565.	564.7	565.2	566.	565.5	566.2	565.	564.5	564.3	564.5
12	563.8	563.7	563.9	563.4	563.7	563.1	563.5	563.9	564.	563.8
13	564.5	566.	565.	565.	564.1	564.1	563.3	563.7	562.4	562.9
14	564.	564.	563.8	563.5	563.9	564.	563.9	564.5	563.	563.5
15	565.	564.4	565.5	565.7	565.	565.	566.5	564.	564.4	.....
16	563.5	562.7	563.8	562.1	562.7	563.1	563.2	562.3	563.7	564.1
17	563.2	563.8	564.1	565.	564.7	565.3	.....	565.	563.9	565.5
19	562.9	562.2	563.	563.2	563.2	563.1	563.4	563.	562.5	562.5
20	563.2	563.	562.9	562.6	562.	561.8	561.9	562.	561.5	561.
21	562.6	562.5	562.4	562.4	563.	562.7	563.7	564.7	567.	566.
22	565.2	564.3	563.5	562.7	563.6	562.7	562.8	562.	562.4	563.
23	560.7	561.7	561.4	562.	561.4	561.8	561.4	562.5	561.1	561.1
24	561.1	561.6	560.5	561.6	563.2	563.9	562.1	562.1	562.7	563.1
26	561.4	561.6	562.	561.7	562.3	563.	563.1	563.6	563.2	563.7
27	562.5	562.5	562.6	562.9	562.1	562.4	561.7	561.7	564.	563.7
28	565.	562.6	562.1	560.7	560.3	560.1	559.	559.5	559.5	560.4
29	563.9	563.	562.5	563.4	564.	563.2	563.5	564.	564.2	563.8
30	561.4	561.2	561.7	562.9	561.2	561.2	562.	561.9	564.6	564.9
31	563.5	563.	562.5	563.	563.	562.5	562.2	562.	563.2	563.5
Means	563.5	563.6	563.4	563.4	563.5	563.6	563.4	563.7	564.	564.1

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	3 00	3 06	3 12	3 18	3 24	3 30	3 36	3 42	3 48	3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
Dec. 1	564.7	564.6	563.7	563.5	562.9	563.	563.5	562.1	562.5	561.5
2	565.	563.3	563.2	563.6	564.	564.	564.	564.	564.5	564.
3	563.	563.2	563.6	563.6	563.3	563.5	563.5	563.4	563.3	563.7
5	565.5	566.1	566.1	565.5	565.4	565.	564.7	565.1	565.5	564.6
6	563.4	562.5	562.1	564.9	566.1	567.2	568.4	566.6	565.2	563.1
7	567.5	567.4	567.	570.	572.3	571.	569.8	568.2	573.6	573.5
8	566.	566.	565.9	565.3	564.8	565.	566.4	565.4	565.2	565.
9	*568.5	568.7	566.2	565.6	568.	568.1	570.1	568.2	571.	570.
10	564.8	565.	565.2	565.4	565.4	565.1	565.1	565.5	570.5	573.
12	563.8	563.2	563.5	563.1	563.5	564.	563.5	564.	563.8	563.5
13	564.2	565.5	564.5	564.2	562.	562.	564.2	567.2	569.	*569.1
14	563.4	563.8	563.9	*563.5	563.2	563.8	563.8	561.8	562.2	561.9
15	565.	565.2	565.	565.8	565.	565.5	565.	564.3	564.2	565.2
16	562.5	564.	564.1	563.8	564.2	564.4	565.	564.7	564.4	564.8
17	565.7	.....	.....	.....	565.9	.....	.....	.....	566.5	565.7
19	562.8	562.5	562.4	562.6	562.6	561.9	562.	561.9	561.6	560.5
20	561.6	561.6	565.1	561.	.....	.....	.....	561.	561.	561.
21	564.6	564.9	564.	564.2	564.7	562.5	561.7	561.7	561.	562.
22	563.5	562.5	564.2	562.9	563.6	562.9	564.8	564.4	564.8	563.4
23	561.2	561.8	561.9	561.6	561.6	560.8	560.3	561.7	561.8	561.5
24	563.7	562.5	562.9	562.1	562.3	562.5	563.2	563.2	564.2	563.
26	563.5	†563.6	563.1	563.5	563.5	563.9	563.9	563.8	563.3	563.2
27	564.5	563.8	*565.	564.	564.	564.	.....	563.	561.8	560.8
28	560.7	560.4	561.	560.9	560.4	558.7	558.7	558.	559.	559.6
29	563.9	563.9	563.9	563.4	563.6	563.8	563.7	563.6	562.7	562.4
30	563.	562.8	563.1	562.8	562.8	563.	563.1	562.9	565.2	568.5
31	563.5	563.1	563.8	563.9	563.5	563.2	563.5	563.	562.8	563.8
Means	564.1	563.9	564.	563.9	564.2	564.	564.3	563.8	564.5	564.4

* One minute late. † Two minutes soon.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	13 00	13 06	13 12	13 18	13 24	13 30	13 36	13 42	13 48	13 54
Observatory time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
Dec. 1	562.4	562.8	562.7	562.8	562.3	562.7	568.	564.1	566.8	566.8
2	564.2	564.4	565.3	565.1	564.8	566.5	564.7	564.5	565.2	564.
3	562.8	562.6	562.8	563.4	563.7	564.6	563.6	564.2	563.7	564.1
5	563.8	563.3	564.9	564.8	564.1	564.1	563.8	564.1	563.8	564.6
6	560.	562.	562.1	563.2	563.6	563.9	563.4	562.9	563.7	562.8
7	*565.9	564.5	564.1	566.7	564.7	567.2	564.7	564.9	565.7	565.9
8	565.5	565.2	565.	564.8	565.1	565.5	565.4	565.	565.	564.
9	561.8	561.2	562.8	563.5	562.5	562.3	563.3	564.2	564.	564.
10	564.1	564.1	564.3	565.1	565.5	565.5	565.7	565.5	565.	565.
12	564.5	564.1	564.3	562.9	564.2	565.	563.6	565.5	565.7	566.
13	.....	565.1	565.7	564.5	566.2	566.3	566.5	567.3	566.6	566.9
14	563.4	563.6	564.5	563.8	563.6	563.5	563.3	563.3	564.1	563.3
15	563.1	563.9	563.1	564.4	564.6	564.5	564.	563.9	564.1	563.7
16	565.4	566.2	566.1	567.4	567.3	567.4	566.9	565.8	567.7	564.7
17	565.7	565.5	565.7	565.6	564.9	564 8	566.3	565.9	565.	564.3
19	564.7	565.	565.9	566.7	566.7	566.2	566.7	566.6	566.8	566.4
20	564.2	563.8	564.9	564.	563.4	563.1	562.9	563.5	563.6	564.4
21	562.2	562.6	563.1	563.5	564.	563.7	563.4	563.9	565.3	566.5
22	563.4	564.2	564.7	564.8	564.9	564.9	565,3	565.6	566.	566.6
23	563.2	564.9	564.9	565.1	564.7	565.3	565.9	566.	566.1	566.3
24	562.7	564.7	564.5	565.2	565.4	566.1	566.6	566.9	567.	567.2
26	.....	562.8	562.9	564.	564.	563.4	563.9	564.9	564.2	565.
27	563.8	565.7	564.8	566.	565.4	566.2	566.6	566.8	567.4	569.
28	.....	563.8	564.5	564.1	565.	565.2	565.8	564.8	565.1	566.7
29	562.9	564.7	563.9	563.1	564.7	564.9	565.6	565.1	564.7	564.3
30	562.2	561.1	557.	557.	554.2	552.5	552.	550.6	550.6	553.9
31	564.	564.8	565.3	565.6	565.3	565.6	566.	565.8	569.1	567.4
Means	563.6	563.9	564.1	564.3	564.3	564.5	564.6	564.5	564.9	565.

* Two minutes late.

Göttingen time Observatory time	h. m. 22 04 16 23½	Therm., Fah.	h. m. 22 10 16 29½	h. m. 22 16 16 35½	h. m. 22 22 16 41½	h. m. 22 28 16 47½	h. m. 22 34 16 53½	Therm., Fah.	h. m. 22 40 16 59½	h. m. 22 46 17 05½	h. m. 22 52 17 11½	h. m. 22 58 17 17½
Dec. 1	646.	60.2	645.5	645.5	644.5	644.	643.1	59.8	642.7	642.	642.	641.7
2	694.2	65.	694.5	694.8	695.2	694.7	695.	64.6	695.2	695.9	696.	696.9
3	753.8	70.	753.3	754.3	754.1	753.6	753.4	69.2	753.	752.3	751.6	750.8
5	730.	67.4	730.	730.	730.4	730.4	730.	67.4	730.	730.	730.	730.
6	730.1	67.1	730.9	731.	731.	731.	731.	67.	731.	730.5	730.2	730.1
7	684.	63.3	682.1	681.7	681.	680.	679.2	63.	678.	677.5	676.2	676.4
8	652.	60.	650.5	650.	649.	647.7	646.5	60.1	646.	646.	646.	645.
9	697.5	65.1	697.	697.	698.	698.8	699.3	65.9	698.4	698.5	698.9	695.
10	667.2	63.	667.4	667.4	668.	668.1	668.	63.	668.	668.8	669.	669.7
12	691.1	64.4	691.2	691.7	692.2	692.2	692.9	64.6	693.	693.4	693.9	693.8
13	581.5	55.8	581.5	580.2	582.	582.1	582.3	55.5	583.	582.8	582.5	584.
14	643.1	59.6	642.3	641.6	641.	640.3	640.	59.5	640.	639.	639.1	639.
15	742.6	71.1	748.7	754.	758.5	762.	765.2	71.	768.	771.	772.9	773.7
16	688.	64.6	689.	690.	690.8	691.	693.	65.2	693.8	695.1	696.	697.
17	545.5	52.5	545.	545.1	546.3	548.	550.6	55.	553.6	556.4	560.2	565.1
19	621.	60.	623.2	625.	626.	628.1	630.	60.2	631.4	633.	634.	635.1
20	698.5	64.8	699.	699.6	699.2	699.	699.1	64.3	699.	698.9	698.9	698.1
21	675.	62.1	674.	673.7	672.3	672.	671.	62.	670.5	670.	669.9	669.
22	669.4	60.5	670.	669.7	670.	671.	671.	61.3	671.	671.	671.	671.
23	566.7	54.2	566.	566.5	567.	569.	568.5	54.2	568.9	569.	569.	569.2
24	698.3	64.6	698.8	699.5	700.	700.	701.4	64.8	701.8	702.5	703.4	704.1
26	701.8	65.7	702.5	703.5	704.6	705.4	706.2	65.5	707.	707.4	707.7	708.3
27	714.	65.	713.5	714.5	714.	714.5	715.	64.9	714.	713.2	713.	712.2
28	693.	64.5	694.	694.	694.9	695.	697.	64.8	697.8	698.	699.3	700.2
29	679.5	62.2	679.	678.4	677.5	676.7	676.7	61.5	674.5	673.2	672.	670.
30	635.2	60.	635.	636.1	636.3	635.5	635.	59.2	634.2	634.	633.	631.9
31	610.1	59.8	612.	614.7	616.2	617.7	619.2	59.5	621.4	622.	622.8	623.
Means	670.7	62.7	671.	671.5	671.8	672.1	672.6	62.7	672.8	673.	673.3	673.3
Reduced to 32° Fah	256.5		256.8	257.2	257.5	257.7	258.2		258.3	258.5	258.7	258.7

Göttingen time / Observatory time	h. m. 23 04 / 17 23½	Therm., Fah.	h. m. 23 10 / 17 29½	h. m. 23 16 / 17 35½	h. m. 23 22 / 17 41½	h. m. 23 28 / 17 47½	h. m. 23 34 / 17 53½	Therm., Fah.	h. m. 23 40 / 17 59½	h. m. 23 46 / 18 05½	h. m. 23 52 / 18 11½	h. m. 23 58 / 18 17½	Therm., Fah.
Dec. 1	641.3	60.2	641.	641.5	641.4	642.	642.5	60.6	643.7	645.	646.	647.	61.
2	697.	65.	697.4	697.2	697.	697.2	697.	65.	696.5	696.	696.	696.	64.5
3	750.	68.2	748.8	748.3	747.7	746.6	745.6	67.9	744.8	743.9	742.5	741.8	67.6
5	729.9	67.1	730.	729.5	729.7	730.	729.1	67.	728.8	728.5	728.	728.	67.
6	730.	66.8	730.	729.6	729.	728.	728.8	66.7	728.	728.	728.	728.	66.7
7	676.	62.8	675.	675.	674.	673.	672.	62.6	671.1	670.3	669.5	669.	62.5
8	645.	60.2	645.	645.7	646.	647.	647.9	61.	648.	648.5	649.3	651.7	61.8
9	692.5	67.	697.	700.4	703.9	706.2	708.	67.	709.7	711.3	713.	714.2	67.
10	669.	62.7	669.5	668.9	668.7	668.5	668.	62.7	667.9	666.6	666.2	665.	62.7
12	693.8	64.4	693.3	693.8	693.2	693.1	693.3	64.2	693.	693.	693.1	693.5	64.
13	584.	56.1	584.	584.	584.2	584.	584.4	56.	586.	586.	586.	585.	56.
14	639.	60.	639.	639.1	639.3	639.9	640.1	60.	640.8	641.	641.9	641.1	60.
15	776.	71.2	776.	777.	777.7	778.1	779.2	71.7	780.	781.	781.7	784.	72.3
16	698.	65.4	699.	700.	701.	702.	703.2	65.6	704.	705.	705.7	707.3	65.8
17	568.9	56.4	573.	576.2	579.4	583.3	586.6	58.	590.1	593.5	596.8	600.9	59.5
19	636.	60.4	638.	639.	639.5	640.	640.9	60.4	641.6	642.1	643.	643.	60.4
20	697.2	63.8	697.2	697.	696.5	696.	695.5	63.8	694.2	693.	692.	691.	63.8
21	668.4	61.7	668.	667.9	667.	667.	667.	62.	667.	667.	667.	667.	62.2
22	671.2	60.9	671.5	670.6	670.6	670.2	669.	60.6	668.5	668.5	668.	666.5	60.3
23	570.	54.4	570.	571.	571.5	572.5	573.	55.	574.7	575.5	577.5	578.2	55.5
24	*705.	65.6	705.6	707.2	709.	710.	*711.4	65.8	712.	713.1	714.	714.2	66.
26	708.7	65.	709.3	709.	708.7	708.6	708.9	64.6	708.8	708.1	708.	707.6	64.2
27	711.5	64.7	711.	710.3	708.8	708.8	707.	64.	706.2	706.	704.7	704.	63.5
28	701.	65.	701.8	702.2	703.	704.	704.1	64.7	704.8	704.2	704.	704.2	64.5
29	668.6	60.5	667.	665.1	663.8	662.8	661.	60.3	660.	659.4	657.5	656.	60.
30	631.	59.	631.	630.	630.	629.	628.	59.	627.	627.	626.4	626.	59.
31	623.5	59.	623.6	624.	623.7	624.	624.1	59.8	625.	627.	627.4	629.5	60.4
Means	673.4	62.7	673.8	674.	674.2	674.5	674.7	62.8	674.9	675.1	675.3	675.5	62.9
Reduced to 32° Fah.	258.7		258.9	258.9	258.8	258.9	258.8		258.8	258.6	258.5	258.4	

* One minute late.

Göttingen time Observatory time	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
Dec. 1	726.	67.6	726.8	727.4	727.6	729.1	730.	68.6	731.7	733.1	734.7	735.8
2	702.4	65.4	704.1	703.6	703.3	704.4	704.	64.6	703.4	702.7	700.6	700.2
3	687.1	64.7	687.5	687.2	690.	690.	690.2	64.3	690.1	692.1	691.9	691.7
5	726.8	68.3	722.7	727.1	726.3	726.5	727.	68.3	728.5	726.7	727.2	727.1
6	758.4	69.	757.7	757.	756 2	757.5	757.5	69.	758.1	758.5	758.2	758.8
7	731.3	67.7	731.2	730.9	731.	†731.	730.4	67.	724.6	727.1	729.1	729.1
8	705.7	64.7	702.4	702.2	701 3	701.2	700.3	64.3	700 5	699.2	698.2	701.1
9	725.8	66.9	726.5	725.6	724.7	725.	725.3	66.9	725.5	725.3	725.2	725.7
10	708.2	66.5	710.7	709.5	709.2	714.5	711.8	66.7	711.7	710.4	710.3	711.1
12	659.	62.	659.2	659.8	660.	660.	660.2	62.2	661.	661.2	661.9	662.1
13	.....	....	.....	.....	.....	.....	592.1	55.5	591.5	590.4	589.7	589.2
14	585.	56.	585.4	585.9	586.	586.4	586.8	56.1	588.1	589.	589.	589.8
15	663.5	61.7	664.1	663.6	663.2	663.5	663.4	61.8	662.9	663.	663.	663.
16	754.2	68.	753.4	754.7	754.	753.9	752.7	66.5	750.7	747.6	744.7	742.8
17	671.3	62.2	671.2	670.9	670.9	670.	668.9	61.6	668.6	666 9	666.	664.8
19	667.7	61.6	668.5	668.6	667.2	666.7	665.	60.	665.1	664.6	662.6	661.8
20	615.	58.	615.	615.	614.6	614.8	615.	58.4	615.	615.	615.4	615.5
21	725.	67.	733.2	732.5	735.4	736.	736.1	67.	736.	734.3	735.4	735.1
22	675.8	62.2	674.8	675.6	675.5	675.2	674.9	62.1	674.7	674.	674.	673.9
23	584.6	54.5	583.7	582.6	581.6	581.	580.2	53.7	578 6	576.3	*580.	582.9
24	626.3	56.8	624.6	622.2	619.6	617.4	613.5	55.8	609.	607.7	603.8	600.1
26	*681.	63.2	685.	686.2	686.7	687.6	688.6	63.8	689.2	690.7	691.8	692.7
27	735.8	66.3	731.5	733.5	733.	733.3	732.9	66.2	733.2	732.7	731.9	731.8
28	702.7	64.2	703.5	702.	701.5	700.9	700.1	63.4	699.	697.3	695.7	694.8
29	647.9	58.7	647.3	647.	645.2	643.3	639.4	58.5	636.7	635.	632.6	630.9
30	643.5	57.6	63[illegible].3	634.1	631.4	628.5	625.9	57.4	623.6	619.1	618.4	617.9
31	682.4	62.	682.8	682.3	682.1	681.6	680.4	62.2	678.9	677.9	676.9	674.4
Means	684.4	62.5	684.3	684.1	683.8	683.8	679.9	62.6	679.1	678.4	678.1	677.9
Reduced to 32° Fah.	272.7		271.5	270.2	268.8	267.7	266.1		266.9	267.7	268.9	270.2

* Supplied. † One minute late.

Göttingen time Observatory time	h. m. 13 34 7 53½	Therm., Fah.	h. m. 13 40 7 59½	h. m. 13 46 8 05½	h. m. 13 52 8 11½	h. m. 13 58 8 17½	h. m. 14 04 8 23½	Therm., Fah.	h. m. 14 10 8 29½	h. m. 14 16 8 35½	h. m. 14 22 8 41½	h. m. 14 28 8 47½	Therm., Fah.
Dec. 1	737.6	68.3	738.7	739.7	739.7	739.2	739.5	67.9	738.6	737.9	737.4	736.6	66.6
2	699.9	64.2	698.5	697.2	696.7	695.1	694.	63.9	692.5	691.3	691.7	691.6	65.2
3	691.	64.	690.6	689 7	689.7	688.7	688.5	63.7	688.	687.8	688.5	688.	63.5
5	727.1	68.3	727.5	727.7	727.7	727.7	727.	68.2	727.6	727.8	728.2	729.3	68.5
6	756.9	69.	755.6	754.5	753.8	752.7	751.7	69.	751.5	751.7	751.4	751.3	69.4
7	728.5	66.6	727.5	727.	726.3	726.	725.7	66.5	724.2	724.	723.	722.7	66.3
8	700.2	63.8	698.7	697.7	697.	696.1	695.4	63.4	694.7	694.6	694.5	694.5	64.1
9	725.4	67.1	726.	726.	726.4	726.6	727.7	67.4	727.6	730.7	731.9	731.5	67.
10	712.6	66.7	713.5	714.5	715.4	716.	716.7	66.6	717.7	719.4	720.4	721.	66.6
12	662.9	62.4	663.1	663.5	664.	664.5	665.1	62.6	666.	666.8	668.	668.4	62.8
13	587.1	55.5	586.6	586.6	584.4	583.1	582.3	55.	584.	580.	579.5	578.	54.5
14	589.9	56.3	590.	590.5	590.9	591.3	591.7	56.5	592.5	593.3	594.3	595.1	57.1
15	662.8	62.1	662.4	662.9	663.1	663.1	663.3	62.5	663.5	664.	664.9	665.6	63.1
16	739.8	64.5	736.6	734.1	731.2	727.1	723.8	64.	721.	718.2	715.	712.4	63.8
17	663.2	61.1	661.2	660.9	659.5	658.5	657.2	60.7	656.7	655.3	654.	652.3	60.4
19	660.6	59.8	659.9	657.	656.8	655.5	654.5	59.5	653.	651.9	651.	649.5	59.1
20	616.4	59.	617.4	617.4	618.8	619.7	621.	59.5	622.	623.4	625.	626.5	60.7
21	733.7	66.2	733.1	732.	732.	730.3	729.3	65.4	729.	728.	726.8	726.	64.4
22	673.9	61.2	672.9	671.7	671.1	670.	669.	60.8	667 1	666.	665.	664.	60.2
23	576.7	53.4	574.	569.2	568.4	568.5	567.2	53.	566.6	565.3	565.	564.1	54.1
24	595.9	54.8	592.5	588.4	586.	583.	580.5	53.8	578.5	577.6	576.	575.4	54.
26	693.3	63.8	693.6	694.	695.5	695.	695.	63.9	695.2	696.	696.4	697.	64.1
27	730.9	65.5	730 9	730.7	730.1	729.2	729.1	65.4	727.9	727.	727.1	726.8	65.
28	694.2	63.	693.5	692.3	692.3	691.3	691.4	63.2	690.	689.2	689.	689.	63.3
29	629.7	57.8	629.2	628.1	626.9	625.	623.7	57.6	622 5	621.3	620.2	619.5	57.3
30	616.2	56.8	615.7	614.4	613.1	611.7	611.5	57.4	611.3	612.2	613.	613.5	58.3
31	670.	61.2	669.9	669.6	668.5	667.	665.1	60.2	662.7	661.1	661.5	*660.	58.8
Means	676.9	62.1	676.3	675.5	675.	674.1	673.6	62.1	673.	672.7	672.5	672.2	62.2
Reduced to 32° Fah.	270.7		270.	269.1	268.5	267.5	266.9		266.2	265.8	265.5	265.1	

* Supplied,

Göttingen time Observatory time	h. m. 11 32 5 51½	Therm., Fah.	h. m. 11 38 5 57½	h. m. 11 44 6 03½	h. m. 11 50 6 09½	h. m. 11 56 6 15½	h. m. 12 02 6 21½	Therm., Fah.	h. m. 12 08 6 27½	h. m. 12 14 6 33½	h. m. 12 20 6 39½	h. m. 12 26 6 45½	Therm., Fah.
Dec. 1	769.7	58.5	766.8	763.9	763.7	762.	760.8	58.7	757.6	761.4	762.1	762.	58.9
2	753.4	57.5	751.1	749.3	747.7	745.7	747.6	57.7	749.1	.....	.....	751.4	57.9
3	757.9	57.4	758.	759.2	759.5	757.9	758.5	58.	760.	758.6	759.5	761.	58.4
5	768.4	64.3	766.5	766.5	765.5	767.8	769.	64.6	772.2	772.2	769.3	771.9	64.8
6	780.	63.	782.	782 9	782.8	782.9	781.9	62.8	782.2	781.4	780.8	780.3	62.8
7	782.9	62.	779.	775.4	774.	774.	774.	62.	776.4	774.6	774.4	776.	62.
8	779.5	60.4	782.2	782.8	783.1	783.4	784.7	60.4	782.7	784.7	785.2	783.4	60.4
9	775.	61.4	773.6	774.	771.7	772.	772.5	61.3	772.8	774.	772.8	772.7	61.3
10	791.3	61.2	791.8	792.8	792.3	792.7	793.	61.2	793.4	791.	789.1	788.3	61.3
12	771.1	57.	771.9	771.1	771.2	771.1	771.2	57.2	768.	771.5	771.1	771.	57.3
13	760.7	57.8	759.7	759.2	756.1	754.	752.4	57.7	748.2	748.	.....	.....	57.6
14	776.5	51.8	766.1	766.1	766.5	767.6	768.8	51.9	766.	770.	765.	761.7	52.
15	768.1	56.7	771.	772.4	769.7	769.4	770.4	56.8	770.7	773.2	769.6	768.3	56.7
16	787.7	62.	785.	785.9	784.1	783.4	781.1	62.	781.7	781.	783.1	782.5	61.7
17	767.7	55.6	768.	766.4	766.	765.7	765.9	55.5	766.1	767.7	766.3	764.6	55.6
19	767.4	54.8	767.4	763.	768.3	765.3	767.5	55.2	765.6	762.5	766.2	765.	55.2
20	758.4	55.	761.	760.8	761.5	761.8	761.5	53.5	759.9	760.6	760.5	758.5	53.2
21	770.	60.4	771.6	772.5	772.9	771.9	769.5	60.8	771.	771.2	772.	773.1	61.
22	773.7	59.3	773.9	773.7	773.9	773.5	773.4	59.	773.2	773.1	769.8	767.2	59.
23	748.7	48.	747.1	747.6	745.8	746.2	745.	47.7	744.3	743.5	746.2	746.8	47.5
24	.....	50.7	748 8	750.6	747.2	752.	750.4	50.4	747.8	749.7	747.6	747.1	49.8
26	762.2	56.	758.5	758.7	758.4	757.7	758.2	56.	760.	762.3	759.5	759.7	56.
27	773.4	60.6	774.1	773.	772.	773.2	773.5	60.5	773.	775.2	772 2	773.5	60 5
28	762.4	57.8	763.3	764.6	759.8	761.8	761.9	58.	761.	763.3	764.3	766.5	58.
29	.....	55.7	775.7	776.9	777.2	776.4	775.3	55.5	778.7	779.4	779.5	780.	54.
30	776.4	53.5	777.3	776.9	781.5	776.2	775.8	53.3	774.5	774.6	773.4	772.2	53.
31	777.8	60.	778.4	776.7	775.3	777.5	774.2	60.	778.4	771.6	772.9	775.1	55.9
Means	770.4	57.7	769.3	769.	768.4	768.3	768.1	57.7	767.9	769.1	769.3	768.5	57.4
Reduced to 32° Fah	710.1		710.	709.7	709.1	709.1	708.9		708.9	710.2	710.6	710.	

Göttingen time..... Observatory time.....	h. m. 21 02 15 21½	Therm., Fah.	h. m. 21 08 15 27½	h. m. 21 14 15 33½	h. m. 21 20 15 39½	h. m. 21 26 15 45½	h. m. 21 32 15 51½	Therm., Fah.	h. m. 21 38 15 57½	h. m. 21 44 16 03½	h. m. 21 50 16 09½	h. m. 21 56 16 15½
Dec. 1.....	763.	54.	763.8	764.2	764.4	765.	765.3	53.9	765.	764.8	765.3	764.5
2.....	764.6	58.8	766.5	764.2	764.	763.	761.	59.	760.7	761.	760.5	763.2
3.....	779.7	64 8	779.4	779.8	778.7	777.1	776.7	65.1	778.9	778.	777.2	778.4
5.....	766.5	63.9	765.	765.2	765.1	766.2	763.5	61.	766.5	767.7	768.	766.5
6.....	790.5	61.9	790.	788.7	786.7	790.	790.	62.	790.	787.5	784.3	785.5
7.....	799.2	60.	800.5	801.5	800.	801.	802.2	60.	803.7	803.6	805.	806.
8.....	793.2	57.	792.2	791.5	788.4	784.7	786.5	57.	782.5	780.2	782.5	781.
9.....	838.5	61.6	840.5	829.	839.7	841.	839.	61.7	852.	849.	843.7	834.7
10.....	793.	58.8	791.5	793.5	794.5	787.7	785.2	58.7	785.5	785.7	782.4	779.2
12.....	778.8	59.4	774.5	772.5	773.	772.5	775.2	59.3	773.6	773.1	773.1	773.8
13.....	760.	52.	768.	768.1	770.8	770.2	771.4	52.	773.6	776.	778.5	775.2
14.....	774.8	55.6	775.	778.2	773.5	772.5	769.	55.3	769.5	769.1	772.7	772.2
15.....	784.	60.	783.2	784.	783.	782.7	782.	60.	783.	778.	778.2	778.7
16.....	792.7	58.8	791.	790.2	789.2	788.7	788.	59.	789.	785.2	785.5	787.
17.....	764.6	49.	761.8	760.9	763.3	760.2	757.5	49.4	757.6	758.6	756.5	755.1
19.....	764.7	54.8	768.2	765.7	765.2	766.	762.7	55.	769.7	765.	763.	764.1
20.....	778.5	60.4	776.2	776.7	776.5	777.5	777.5	60.4	776.5	777.7	776.	773.
21.....	772.5	58.1	770.7	772.	774.5	770.5	772.5	58 1	774.5	776.2	775.6	775.5
22.....	760.2	57.	757.1	755.1	752.2	752.7	749.9	57.3	753.	749.6	747.2	750.4
23.....	757.4	47.2	756.	754.	752.8	752.7	750.5	47.1	750.5	750.5	745.3	743.4
24.....	758.6	56.8	758.5	757.	756.9	759.2	756.	56.8	756.3	756.6	756.3	755.4
26.....	764.5	58.8	763.7	764.8	761.8	763.8	765.	59.6	764.1	762.4	764.4	762.8
27.....	767.	59.	*765.2	769.7	766.2	763.	767.	59.	762.	766.	765.7	767.2
28.....	772.	58.7	769.2	764.	766.4	762.2	767.3	58.8	767.2	767.7	773.1	770.6
29.....	781.5	58.	780.	779.	776.5	777.5	781.5	57.8	781.3	782.6	781.4	775.8
30.....	773.	56.	773.2	772.5	772.8	774.	769.7	56.	771.	769.2	768.7	770.2
31.....	760.	51.	759.5	758.5	758.2	755.5	755.7	51.5	758.	758.	756.	760.2
Means.....	776.	57.5	775.6	774.8	774.6	774.	773.6	57.5	774.6	774.	773.6	773.
Reduced to 32° Fah...	712.4		712.	711.1	710.8	710.2	709.7		710.7	710.	709.6	708.9

* One minute late.

Göttingen time Observatory time	h. m. 22 02 16 21½	Therm., Fah.	h. m. 22 08 16 27½	h. m. 22 14 16 33½	h. m. 22 20 16 39½	h. m. 2 26 16 45½	h. m. 22 32 16 51½	Therm., Fah.	h. m. 22 38 16 57½	h. m. 22 44 17 03½	h. m. 22 50 17 09½	h. m. 22 56 17 15½	Therm, Fah.
Dec. 1	764.2	53.8	765.	763.5	764.8	764.5	763.5	53.5	762.2	762.5	763.6	760.5	53.
2	763.2	59.	764.2	766.9	763.	761.5	760.9	58.9	762.6	761.3	761.5	761.5	58.9
3	779.6	65.2	779.6	780.1	779.7	779.2	779.4	64.7	778.6	777.1	778.1	778.3	64.3
5	765.8	64.	764.	767.7	765.5	770.	767.7	64.	768.7	770.3	771.5	771.	64.
6	785.7	61.8	785.	782.5	782.5	780.7	783.5	61.7	783.3	781.	780.2	779.2	61.6
7	808.5	59.5	802.2	806.	802.5	800.2	800.2	59.2	800.5	800.	801.7	802.7	59.
8	781.	56.	780.7	782.7	781.7	780.2	780.	56.	778.2	773.	776.5	775.7	55.5
9	824.5	60.7	824.7	831.	822.2	825.3	820.2	60.	825.	824.	822.4	828.	60.
10	782.5	59.	782.2	781.2	779.	781.2	777.7	59.	780.7	782.2	783.	781.7	59.
12	772.1	59.7	770.7	772.6	773.	770.5	773.2	59.8	773.2	774.7	776.	774.5	60.
13	777.8	52.	778.6	779.5	778.2	782.	784.7	52.	775.	776.	778.	779.7	52.
14	770.4	55.3	771.	769.7	768.8	768.	768.3	55.	769.4	769.	764.2	769.5	54.8
15	777.1	62.	775.4	776.	776.2	777.2	778.7	63.	782.7	780.6	779.	779.5	64.
16	783.9	59.6	783.5	783.2	782.	783.	781.2	60.	782.5	781.9	782.5	782.	60.4
17	751.8	49.7	751.7	753.9	752.8	752.1	751.7	50.5	752.8	752.2	752.4	748.	51.4
19	764.9	55.2	763.	771.	773.7	774.2	780.	56.	773.2	776.5	774.5	778.2	56.4
20	775.7	60.4	776.	776.7	776.2	777.	775.7	60.3	775.4	775.5	775.2	773.2	60.2
21	774.2	58.2	772.	772.2	774.2	774.7	772.7	58.4	772.5	773.7	775.4	773.	58.3
22	749.7	57.1	748.7	746.4	759.2	756.2	749.7	57.	750.7	751.	750.7	753.5	57.
23	742.5	47.2	737.	745.3	746.4	744.3	744.7	47.3	746.2	747.2	744.2	743.5	47.4
24	755.	56.9	757.8	756.5	753.2	754.2	755.7	57.1	756.1	756.2	756.9	756.2	57.5
26	762.9	60.	761.4	764.	764.5	762.9	763.1	60.	762.1	765.2	763.8	765.9	60.
27	766.5	59.	767.	769.7	768.6	767.7	770.7	58.8	771.7	767.5	769.7	768.7	58.6
28	767.	59.	767.5	765.7	768.	767.	766.5	59.2	761.	767.7	764.5	762.6	59.4
29	776.6	57.8	784.	782.2	781.8	781.5	782.7	57.	780.	782.	780.2	780.2	56.7
30	768.8	55.8	769.5	767.2	765.5	766.7	769.2	55.7	768.2	769.2	767.	770.2	55.6
31	755.2	52.2	757.	758.5	756.7	756.	757.	52.8	756.2	759.	765.	759.	53.2
Means	772.1	57.6	771.8	773.	772.6	772.5	772.5	57.7	772.2	772.5	772.5	772.4	57.7
Reduced to 32° Fah.	708.		707.7	708.9	708.4	708.3	708.3		708.	708.2	708.2	708.1	

Göttingen time / Observatory time	h. m. 1 02 / 19 21½	Therm., Fah.	h. m. 1 08 / 19 27½	h. m. 1 14 / 19 33½	h. m. 1 20 / 19 39½	h. m. 1 26 / 19 45½	h. m. 1 32 / 19 51½	Therm., Fah.	h. m. 1 38 / 19 57½	h. m. 1 44 / 20 03½	h. m. 1 50 / 20 09½	h. m. 1 56 / 20 15½
Dec. 1	758.7	53.8	755.5	761.	760.4	761.	761.1	53.5	760.7	759.4	759.7	764.3
2	767.	59.7	765.7	765.2	767.5	766.4	767.7	60.2	766.9	767.6	768.2	767.5
3	778.	63.6	778.9	778.8	780.1	778.8	778.1	64.8	779.7	779.1	779.4	780.
5	778.	63.	776 6	776.5	777.2	777.	775.5	63.	775.7	774.6	772.2	772.4
6	781.7	61.5	781.5	779.5	781.8	782.2	783.	61.	782.	782.7	785.	785.
7	802.5	58.2	796.2	799.5	797.	796.	794.3	58.	793.2	792.9	792.	790.
8	781.2	57.8	780.7	782.6	781.2	780.1	779 2	59.	779.5	780.7	783.	781.2
9	812.5	62.2	813.5	812.5	808.2	805.2	805.7	62.3	804.	806.	805.6	806.6
10	782.6	58.8	782.5	784.2	782.	786.2	786.7	59.3	784.5	785.7	788.5	786.5
12	776.	59.2	777.4	777.	776.2	778.7	778.4	59.3	776.6	779.	778.	780.2
13	781.	52.	784.1	783.7	787.2	785.2	784.2	51.9	783.	784.4	785.	787.7
14	774.3	56.	773.4	773.7	773.3	771.4	773.5	56.	773.5	773.	772.6	773.2
15	788.	65.	787 8	787.3	788.	789.7	790.5	64.9	794.7	794.2	795.5	798.5
16	784.	61.	783.6	786.2	786.5	785.	787.2	61.	786.3	786.7	785.	785.2
17	750.1	55.2	751.2	751.5	753.3	754.3	752.3	55.5	753.5	753.5	751.8	753.4
19	778.7	55.8	773 7	772.1	770.5	773.	775.7	56.3	777.7	776.5	776.5	776.7
20	779.7	58.	780.	779.7	776.7	780.7	784.	58.	780.7	781.7	779.7	781.
21	774.7	59.	772.	774.	774.1	770.2	774.9	59.3	775.2	775.5	773.	775.5
22	759.5	55.	761.	763.7	763.	771.5	770.	55.	767.2	765.	767.	769.5
23	744.7	48.5	743.7	746.9	746.6	747.	747.7	48.5	747.1	746.2	745.2	749.2
24	765.3	59.6	762.6	759.	760.	763.1	762.6	60.	764.7	765.9	766.8	765.7
26	772.2	59.3	770.2	771.9	771.8	771.6	771.8	59.5	770.1	770.8	.....	772.
27	770.7	58.	770.5	770 7	772.	770.7	774.	58.	774.7	769.5	772.	776.5
28	770.7	58.9	*776.	776 2	776.8	778.	776.4	58.8	775.2	776.1	*776.7	773.2
29	777.5	56.5	777.4	776.6	778.2	776.7	777.7	56.5	779.	774.2	774.6	773.
30	781.3	56.	778.8	780.2	776.5	780.5	771.	57.3	772.2	773.2	776.5	780.7
31	759.2	55.	757.5	765.3	761.5	762.2	758.2	55.	761.7	765.5	765.5	763.2
Means	775.2	58.	774.5	775.4	775.1	775.6	775.6	58.2	775.5	775.5	776.	776.6
Reduced to 32° Fah.	710.2		709.4	710.2	709.8	710.2	710.1		710.1	710.2	710.9	711.5

* One minute late.

Göttingen time..... Observatory time.....	h. m. 2 02 20 21½	Therm., Fah.	h. m. 2 08 20 27½	h. m. 2 14 20 33½	h. m. 2 20 20 39½	h. m. 2 26 20 45½	h. m. 2 32 20 51½	Therm., Fah.	h. m. 2 38 20 57½	h. m. 2 44 21 03½	h. m. 2 50 21 09½	h. m. 2 56 21 15½	Therm., Fah.
Dec. 1.....	763.	52.	759.9	759.9	759.6	760.5	764.5	52.	762.1	764.2	759.	759.4	52.
2.....	768.	60.5	768.7	769.2	769.7	770.5	771.	60.6	771.1	771.7	769.5	772.9	60.7
3.....	780.	64.1	779.7	780.1	780.	779.	.....	64.	782.	780.5	784.5	781.3	63.9
5.....	771.	63.8	771.7	770.5	770.	769.7	770.3	64.	774.4	772.8	775.5	772.2	64.2
6.....	785.7	60.5	787.	787.	788.7	788.	789.	60.	787.7	789.5	787.7	790.7	59.6
7.....	788.8	58.	783.9	781.2	782.	783.8	778.9	58.	781.	776.	781.7	781.6	58.
8.....	782.3	58.3	784.	.....	.....	783.8	783.	58.	782.	780.5	781.2	775.	58.
9.....	811.	62.	813.7	816.5	816.8	816.8	815.5	62.1	812.7	811.9	809.	810.	62.
10.....	788.5	59.2	788.5	789.2	789.	785.7	787.2	59.1	787.5	788.7	789.5	789.	59.
12.....	778.4	59.3	778.3	777.6	779.2	777.	777.1	59.3	780.4	779.7	776.5	775.7	59.3
13.....	787.7	52.	788.5	786.	785.5	785.1	*788.6	52.1	787.9	792.4	792.2	798.2	51.9
14.....	775.	56.	774.5	774.6	774.	774.	771.7	56.	774.	776.	776.1	775.5	56.
15.....	798.7	64.	799.2	797.	798.7	798.2	799.	63.5	798.5	800.2	800.7	798.8	63.
16.....	784.2	60.7	784.	784.2	785.6	784.2	782.1	60.4	783.5	783.2	782.2	783.7	60.2
17.....	753.6	55.5	752.7	752.	752.4	755.	755.6	54.9	755.	759.5	.....	758.2	54.4
19.....	778.	55.	780.	778.2	776.	780.8	778.	55.	780.	778.2	779.1	778.	55.
20.....	778.	57.	777.7	778.	775.7	777.2	777.4	57.	777.5	777.4	779.3	779.	57.
21.....	773.5	59.5	772.1	768.	775.1	777.	777.2	59.8	778.4	776.7	774.7	776.7	60.
22.....	763.1	54.7	765.5	763.7	759.1	763.7	768.4	54.4	760.7	763.2	762.5	761.	54.2
23.....	747.7	48.5	746.7	749.	745.2	745.7	744.5	48.5	745.2	748.7	749.5	747.	48.5
24.....	766.7	60.1	767.8	762.	770.	774.5	769.8	60.3	769.3	767.3	769.8	766.6	60.5
26.....	772.1	59.7	770.8	771.9	771.4	770.7	768.5	60.2	769.	769.	769.9	771.8	60.7
27.....	776.	57.8	776.2	779.5	779.6	780.	782.1	57.6	788.	784.	780.7	.....	57.4
28.....	776.8	58.7	769.	773.5	766.	772.6	773.5	58.6	774.5	772.2	771.1	773.7	58.5
29.....	771.5	57.	774.2	772.5	771.7	770.	774.4	57.5	773.2	773.5	772.9	773.	58.
30.....	779.	57.5	779.	777.5	777.2	780.5	780.	57.7	779.2	778.2	774.9	781.1	57.9
31.....	762.5	55.3	764.7	763.7	762.	765.	765.7	55.6	769.	769.	764.4	765.2	55.8
Means.....	776.3	58.	776.5	775.5	775.4	776.6	776.7	58.	777.2	777.2	777.5	776.7	58.
Reduced to 32° Fah.....	711.3		711.5	710.5	710.4	711.6	712.2		712.2	712.2	712.	711.7	

* Two minutes late.

Göttingen time / Observatory time	h. m. 15 32 / 9 51½	Therm., Fah.	h. m. 15 38 / 9 57½	h. m. 15 44 / 10 03½	h. m. 15 50 / 10 09½	h. m. 15 56 / 10 15½	h. m. 16 02 / 10 21½	Therm., Fah.	h. m. 16 08 / 10 27½	h. m. 16 14 / 10 33½	h. m. 16 20 / 10 39½	h. m. 16 26 / 10 45½
Dec. 1	783.4	57.8	785.8	786.6	789.	788.	788.3	57.3	787.7	789.4	788.3	790.8
2	775.5	59.7	774.7	777.	778.	.....	777.3	60.2	778.6	779.9	779.2	778.4
3	782.8	58.3	784.9	784.2	785.2	785.2	784.6	58.5	785.7	784.9	786.1	786.4
5	784.5	64.3	785.3	785.2	785.5	786.2	784.3	64.2	786.2	786.7	787.	787.
6	780.	62.8	779.1	782.2	782.7	781.9	784.	63.	780.9	783.1	781.1	781.8
7	785.	61.	787.7	787.1	787.4	788.2	787.8	61.	786.7	791.8	791.8	794.3
8	796.3	60.	795.3	795.7	793.2	796.3	795.6	60.3	797.	801.2	799.6	800.1
9	.....	61.5	794.	800.5	801.2	802.5	805.1	61.7	804.5	802.7	806.4	808.7
10	797.7	60.	798.5	798.	798.7	799.4	800.5	60.	800.5	802.8	803.2	804.2
12	784.8	58.	784.5	783.7	785.9	785.	785.	58.	787.7	789.5	791.2	790.9
13	762.5	50.2	762.2	761.5	764.9	770.7	765.6	49.5	766.6	765.2	767.6	765.1
14	773.5	53.	771.5	774.6	775.2	776.3	779.	53.	777.2	779.5	782.5	782.2
15	777.7	58.1	787.	786.4	788.	790.	793.4	58.7	796.4	794.4	798.1	798.4
16	783.8	59.2	784.1	787.2	786.	790.	788.7	59.9	791.8	788.7	792.7	793.
17	765.7	53.1	768.2	769.1	770.	771.4	773.	52.8	774.4	773.8	777.2	776.5
19	779.9	53.3	781.6	784.1	786.4	786.8	789.8	53.	793.	795.1	794.	798.7
20	771.5	55.7	774.	776.	777.2	783.3	779.1	56.4	778.7	783.6	.....	780.5
21	791.	59.3	791.4	790.6	793.	793.2	794.4	59.5	795.5	795.8	798.5	797.8
22	775.	57.5	777.1	777.3	777.5	780.2	781.6	57.4	783.	785.5	786.7	786.7
23	759.7	48.4	761.	761.5	761.5	758.	764.2	48.5	766.2	766.1	768.3	769.5
24	773.5	47.3	775.3	777.	777.3	776.9	777.8	47.9	778.	779.1	780.1	780.7
26	781.6	57.	779.7	784.1	784.7	787.5	789.	57.2	790.5	792.5	792.5	794.1
27	779.3	59.1	784.2	784.8	789.	788.5	789.4	59.	788.3	790.	793.1	793.4
28	774.7	57.	788.7	780.5	780.7	782.5	782.2	57.	787.2	787.	791.7	793.2
29	773.5	53.3	777.8	776.5	777.8	781.1	781.8	53.8	783.7	784.8	787.	788.7
30	758.2	53.7	759.7	759.4	759.5	763.7	766.7	54.3	768.9	769.1	771.6	775.
31	.....	53.2	777.	777.3	777.2	776.4	778.7	53.1	780.2	780.2	785.	785.
Means	778.	56.7	780.3	781.	782.	783.4	784.	56.9	785.	786.	787.6	788.2
Reduced to 32° Fah.	716.2		718.5	719.1	720.1	721.4	721.9		722.8	723.7	725.2	725.7

Göttingen time Observatory time	h. m. 16 32 10 51½	Therm., Fah.	h. m. 16 38 10 57½	h. m. 16 44 11 03½	h. m. 16 50 11 09½	h. m. 16 56 11 15½	h. m. 17 02 11 21½	Therm., Fah.	h. m. 17 08 11 27½	h. m. 17 14 11 33½	h. m. 17 20 11 39½	h. m. 17 26 11 45½	Therm., Fah.
Dec. 1	790.2	57.1	789.5	789.7	788.6	788.	787.2	57.1	791.3	789.3	789.	791.3	57.
2	777.5	60.4	780.4	781.8	781.7	780.2	781.1	60.4	782.2	782.3	780.6	780.3	60.4
3	786.8	59.5	784.6	787.8	787.6	788.1	789.	60.3	788.3	787.4	788.4	789.5	61.
5	787.9	64.	788.8	787.	787.4	788.	787.	64.	786.5	788.2	787.2	788.7	64.
6	782.5	63.	782.5	785.5	785.3	786.2	786.6	62.6	788.5	788.	788.3	790.3	62.4
7	794.8	60.7	793.5	791.8	798.1	800.1	798.5	60.7	796.5	794.	796.4	795.3	61.
8	801.2	60.3	802.5	806.	806.4	808.7	*806.7	60.1	808.	806.7	807.3	809.4	59.9
9	813.9	62.	814.7	818.6	817.2	819.1	820.2	62.3	823.5	826.2	830.7	831.	62.2
10	806.	59.8	803.4	803.5	802.6	805.2	806.7	59.4	804.2	805.4	806.	804.7	59.2
12	793.7	58.2	796.	794.3	793.2	796.1	798.	58.4	800.	797.8	797.	798.5	58.5
13	765.	49.5	765.	765.	765.	765.	771.1	49.5	770.1	771.	771.2	770.6	49.8
14	785.7	53.6	785.7	785.5	787.	787.2	787.	54.2	788.	788.2	788.	788.4	54.5
15	796.6	59.	798.9	800.2	801.	801.8	799.6	59.2	801.2	799.6	799.3	801.	59.3
16	795.8	60.7	791.	793.2	795.4	796.2	797.2	61.	796.	797.2	796.1	795.	60.7
17	776.	52.5	775.5	775.1	777.	778.7	780.1	52.3	778.4	779.	778.1	780.3	52.3
19	797.4	52.6	797.1	799.2	798.7	797.5	797.2	52.4	798.6	799.1	798.3	799.	52.2
20	785.	57.2	782.2	784.1	786.1	783.8	788.	57.8	789.3	788.	789.5	787.3	58.4
21	798.1	59.5	798.9	801.8	800.7	798.2	800.9	59.5	800.5	802.7	805.5	.....	59.5
22	787.2	57.4	785.7	786.8	786.3	786.4	787.	57.2	786.3	788.5	788.9	790.2	57.6
23	771.2	48.5	770.1	769.	770.5	770.8	771.	48.2	769.8	770.8	771.4	771.5	47.8
24	779.7	49.	781.7	781.7	782.6	778.2	781.2	50.5	779.1	780.4	782.2	781.9	51.3
26	795.7	57.4	795.	796.8	794.7	796.7	795.9	57.6	797.	796.	796.7	796.8	57.6
27	795.4	58.9	796.4	791.7	795.5	796.	797.9	59.	795.1	796.1	794.9	795.2	58.9
28	796.8	57.	796.6	794.1	791.6	792.3	792.7	57.	791.7	790.	790.	789.	57.1
29	788.5	54.4	791.2	791.9	791.8	792.	796.7	55.	797.2	797.5	800.2	800.9	55.2
30	778.5	54.7	780.9	779.4	784.6	794.2	795.4	55.2	801.5	802.6	802.4	799.1	55.6
31	788.4	53.	788.2	793.6	792.	794.7	793.3	52.7	797.	793.	797.7	797.6	52.4
Means	789.5	57.	789.5	790.2	790.7	791.5	792.3	57.2	792.8	793.1	793.8	793.6	57.2
Reduced to 32° Fah.	726.9		726.8	727.5	727.9	728.7	729.4		729.9	730.1	730.8	730.5	

* One minute late.

MAGNETIC OBSERVATORY

AT THE

GIRARD COLLEGE, PHILADELPHIA.

EXTRAORDINARY MAGNETIC OBSERVATIONS,

IN THE YEAR 1842.

GENERAL NOTE.

The force at the observatory was not sufficient to make observations regularly on the occasion of unusual readings of the magnetometers. The following observations were, however, made on some of the occasions during the year.

G.T.	0m.	6m.	12m.	18m.	24m.	30m.	36m.	42m.	48m.	54m.	60m.	66m.	72m.	78m.	84m.	90m.	96m.	102m.	108m.	114m.
h.																				
4..	.....	.....	.....	595.5	593.4	608.7	620.8	602.	577.7	551.6	521.6	550.4	563.6	.....	.....	.....	.....	.....	.....	.....
6..	524.5	545.2	571.5	587.9	592.6	588.3	586.6	589.5	562.7	542.3	534.3	538.3	592.5	560.2	555.5	598.3	614.2	591.3	584.6	575.5
8..	576.8	579.4	587.	589.1	587.	590.2	595.9	603.1	596.3	581.7	581.2	593.	602.2	601.	600.7	595.	593.	596.7	601.	597.7
10..	603.1	598.1	592.4	579.2	565.6	558.7	566.1	562.1	560.7	561.7	560.	561.7	561.9	555.7	566.6	557.9	558.9	571.5	571.2	.....

HORIZONTAL FORCE MAGNETOMETER.

G.T.	2m.	8m.	14m.	20m.	26m.	32m.	38m.	44m.	50m.	56m.	62m.	68m.	74m.	80m.	86m.	92m.	98m.	104m.	110m.	116m.
h.																				
4..	.....	.....	650.	652.1	646.4	648.7	668.5	717.5	[7]625.7	636.2	603.5	562.	.....	.....	.....	.....	.....	.....	.....	.....
6..	[1]748.6	744.4	753.5	756.	744.2	747.	[5]765.8	801.5	884.7	886.3	835.1	810.1	[9]684.4	720.1	780.9	755.	751.2	712.2	679.6	694.3
8..	[2]641.8	696.5	737.7	732.8	745.7	736.2	[6]681.	663.9	652.2	661.5	678.8	672.4	661.9	652 2	[11]645.8	643.6	652.9	650.5	651.	[13]657.7
10..	[3]653.7	663.5	666.6	677.5	[4]694.2	702.2	692.	693.3	[8]706.6	709.9	690.3	665.9	[10]662.9	642.2	618.5	625.7	[12]616.2	606.6	605.5	.....

[1] 66°.5 F. [2] 68° F. [3] 67°.7 F. [4] 67°.6 F. [5] 67°.7 F. [6] 68°.5 F. [7] 67°.2 F. [8] 67°.5 F. [9] 67°.7 F. [10] 67°.4 F. [11] 68° F. [12] 67°.3 F. [13] 67°.7 F.

VERTICAL FORCE MAGNETOMETER.

G.T.	4m.	10m.	16m.	22m.	28m.	34m.	40m.	46m.	52m.	58m.	64m.	70m.	76m.	82m.	88m.	94m.	100m.	106m.	112m.	118m.
h.																				
4..	.....	.....	673.5	671.8	676.7	691.7	707.	716.8	[3]750.2	749.6	734.5	724.2	.....	.....	.....	.....	.....	.....	.....	[9]763.4
6..	761.2	751.8	756.7	.....	763.7	759.2	759.8	768.4	[4]770.1	767.5	819.4	788.3	807.	[7]801.4	774.1	756.5	780.5	771.4	774.4	[10]771.6
8..	774.8	780.9	792.2	797.8	787.4	[2]771.	761.2	755.9	753.5	749.	739.1	735.1	[6]735.5	733.	735.1	[8]735.5	737.7	740.5	737.7	[11]736.7
10..	735.7	734.3	732.5	737.7	[1]745.6	749.4	752.4	755.6	755.6	756.7	[5]747.5	741.	737.7	735.	737.3	735.1	738.8	.....	.....	.....

[1] 69°.7 Fah. [2] 70°.8 Fah. [3] 69°.3 Fah. [4] 70° Fah. [5] 69°.3 Fah. [6] 70°.7 Fah. [7] 70° Fah. [8] 70°.7 Fah. [9] 68°.5 Fah. [10] 70°.2 Fah. [11] 70° Fah.

Appearances were noted at 4h. 20m., G. T.; a bright light in the N., partly obscured by cl'ds; at 6h., an arc of light was visible, extending to about 15° above N. Hor.

DECLINATION MAGNETOMETER.

G.T.	0m.	6m.	12m.	18m.	24m.	30m.	36m.	42m.	48m.	54m.	60m.	66m.	72m.	78m.	84m.	90m.	96m.	102m.	108m.	114m.
h.																				
2...	566.7	566.8	595.3	617.6	616.2	621.1	581.1	531.4	503.3	533.8	548.2	545.	548.	555.4	569.7	592.4	590.7	580.	581.7	573.

HORIZONTAL FORCE MAGNETOMETER.

G.T.	2m.	8m.	14m.	20m.	26m.	32m.	38m.	44m.	50m.	56m.	62m.	68m.	74m.	80m.	86m.	92m.	98m.	104m.	110m.	116m.
h.																				
0...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	723.4	728.3	725.1	717.4
2...	[1]715.8	738.8	740.2	708.9	677.1	634.5	601.7	640.2	712.5	717.7	696.	698.8	712.7	719.	.....	.....	.....	.....	.....	.....

[1] 69.5 degrees Fahrenheit.

VERTICAL FORCE MAGNETOMETER.

G.T.	4m.	10m.	16m.	22m.	28m.	34m.	40m.	46m.	52m.	58m.	64m.	70m.	76m.	82m.	88m.	94m.	100m.	106m.	112m.	118m.
h.																				
0...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	657.5	656.2	657.	[1]659.
2...	662.5	657.7	664.2	672.1	680.9	690.	702.6	708.	701.5	701.	703.	698.6	692.2	689.2	.....	.....	.....	.....	.....	.....

[1] 69.8 degrees Fahrenheit.

G.T.	0m.	6m.	12m.	18m.	24m.	30m.	36m.	42m.	48m.	54m.	60m.	66m.	72m.	78m.	84m.	90m.	96m.	102m.	108m.	114m.
h.																				
6...	.....	....	.....	583.	576.9	572.7	564.5	553.6	543.2	565.9	575.2	572.	575.4	582.4	575.	561.6	552.8	545.3	550.3	558.3
8...	568.4	....	.....	.....	....	.....	.....	610.2	604.4	596.4	595.	....	.....	.....	....	.....	.....	.....	.....	.....

HORIZONTAL FORCE MAGNETOMETER.

G.T.	2m.	8m.	14m.	20m.	26m.	32m.	38m.	44m.	50m.	56m.	62m.	68m.	74m.	80m.	86m.	92m.	98m.	104m.	110m.	116m.
h.																				
6...	.....	.....	.....	566.5	589.3	613.1	623.3	660.8	733.5	725.8	718.2	716.7	717.3	688.4	687.4	710.	722.6	735.1	730.2	720.4
8...	[1]717.1	761.	749.6	741.5	714.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] 81.7 degrees Fahrenheit.

VERTICAL FORCE MAGNETOMETER.

G.T.	4m.	10m.	16m.	22m.	28m.	34m.	40m.	46m.	52m.	58m.	64m.	70m.	76m.	82m.	88m.	94m.	100m.	106m.	112m.	118m.
h.																				
6...	.....	.....	.....	951.6	953.8	957.	961.2	961.9	952.3	945.6	942.	934.3	923.6	920.4	926.7	932.7	940.	941.9	939.9	934.7
8...	932.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

G.T.	0m.	6m.	12m.	18m.	24m.	30m.	36m.	42m.	48m.	54m.	60m.	66m.	72m.	78m.	84m.	90m.	96m.	102m.	108m.	114m.
h.																				
6..	608.2	596.8	597.7	596.1	587.5	613.9	607.7	582.	570.5	576.3	574.6	548.4	547.2	518.6	507.2	496.5	488.1	516.4	543.6	564.5
8..	570.5	570.	579.9	580.2	582.9	583.3	586.3	603.7	582.2	569.5	584.2	573.2	558.2	547.	565.1	590.1	606.	603.7	576.	565.2
10..	572.3	579.1	573.2	570.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

HORIZONTAL FORCE MAGNETOMETER.

G.T.	2m.	8m.	14m.	20m.	26m.	32m.	38m.	44m.	50m.	56m.	62m.	68m.	74m.	80m.	86m.	92m.	98m.	104m.	110m.	116m.
h.																				
6..	Off the	scale.	.....	.....	.....	[4]949.5	883.9	897.1	927.7	943.6	[5]985.5	Off the	scale.	.....	977.9	983.3	973.7	936.4	[6]882.	878.3
8..	[1]827.7	824.	[3]825.7	847.7	884.3	888.5	873.5	844.0	833.3	884.7	821.7	861.	895.2	899.	869.2	822.7	775.5	741.5	751.	724.5
10..	[2]718.4	707.1	718.6	722.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Faint light in N. at 6h., Göttingen time. [1] 76°.5 Fah. [2] 75°.9 Fah. [3] 76°.5 Fah. [4] 78°.1 Fah. [5] 77°.2 Fah. [6] 76°.7 Fah.

VERTICAL FORCE MAGNETOMETER.

G.T.	4m.	10m.	16m.	22m.	28m.	34m.	40m.	46m.	52m.	58m.	64m.	70m.	76m.	82m.	88m.	94m.	100m.	106m.	112m.	118m.
h.																				
5..	.....	.....	.....	.....	.....	.....	.....	.....	.....	[3]917.7	915.2	913.8	911.1	906.7	912.1	891.7	[6]901.	890.2	[7]885.	886.1
7..	922.1	935.5	[1]939.5	950.	964.2	959.	941.9	[2]922.2	910.9	[4]883.3	872.9	863.	862.5	861.8	863.8	864.8	854.8	859.1	854.2	859.
9..	916.4	909.	909.1	894.6	877.	838.	835.1	824.5	819.9	[5]822.7	820.2	817.	817.5	.....	.....	.....	.....	.....	.....	.....

[1] 77°.7 Fah. [2] 77°.3 Fah. [3] 78°.6 Fah. [4] 77°.2 Fah. [5] 76°.4 Fah. [6] 77°.9 Fah. [7] 77°.8 Fah.

G.T.	0m.	6m.	12m.	18m.	24m.	30m.	36m.	42m.	48m.	54m.	60m.	66m.	72m.	78m.	84m.	90m.	96m.	102m.	108m.	114m.
h. 8...	568.4	566.	565.9	562.7	564.5	563.2	568.5	570.	573.8	580.8	585.7	586.7	584.5	582.3	580.3	578.6	.....	.....	.....	.....

HORIZONTAL FORCE MAGNETOMETER.

G.T.	2m.	8m.	14m.	20m.	26m.	32m.	38m.	44m.	50m.	56m.	62m.	68m.	74m.	80m.	86m.	92m.	98m.	104m.	110m.	116m.
h. 8...	[1]762.	746.7	743.	735.1	730.7	740.4	726.6	739.8	735.7	[2]737.2	736.7	735.	743.	745.5	747.7	748.9	.....	.....	.....	.....

[1] 73.9 degrees Fahrenheit. [2] 73.5 degrees Fahrenheit.

VERTICAL FORCE MAGNETOMETER.

G.T.	4m.	10m.	16m.	22m.	28m.	34m.	40m.	46m.	52m.	58m.	64m.	70m.	76m.	82m.	88m.	94m.	100m.	106m.	112m.	118m.
h. 7...	.....	.....	.....	.....	.....	.....	.....	.....	.....	[2]787.5	783.7	784.6	787.8	788.4	790.2	792.	790.	788.5	788.1	786.1
9...	[1]784.	786.8	784.6	784.3	785.3	784.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] 74.4 degrees Fahrenheit. [2] 74.9 degrees Fahrenheit.

At 8*h.* 2*m.*, Göttingen time, a bright light, extending on each side of N. point about 15°, and to about 6° above the horizon. At 8*h.* 29*m.*, light spreading, and becoming more faint. At 8*h.* 52*m.*, light faint, and gradually subsiding.

G.T.	0m.	6m.	12m.	18m.	24m.	30m.	36m.	42m.	48m.	54m.	60m.	66m.	72m.	78m.	84m.	90m.	96m.	102m.	108m.	114m.
h.																				
1...	.....	.....	.....	.....	582.2	582.7	581.7	588.6	568.9	567.2	562.8	576.1	580.	588.5	595.5	587.	587.9	.....	.....	.....
3...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	613.8	613.3	609.5	606.5	599.6	596.3	591.6	590.3	584.3	578.9
5...	579.8	582.4	579.3	576.8	577.5	582.	581.6	581.4	585.8	587.	584.9	585.	589.8	595.6	595.4	597.5	596.5	598.2	587.3	579.2
7...	564.2	548.7	542.4	547.4	554.5	564.3	567.4	562.	552.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

HORIZONTAL FORCE MAGNETOMETER.

G.T.	2m.	8m.	14m.	20m.	26m.	32m.	38m.	44m.	50m.	56m.	62m.	68m.	74m.	80m.	86m.	92m.	98m.	104m.	110m.	116m.
h.																				
4...	[1]948.5	[3]931.3	922.6	912.	895.2	885.3	882.9	882.	873.5	868.1	[4]854.7	844.	847.7	848.8	857.6	871.2	869.4	876.3	882.2	890.2
6...	[2]891.1	888.8	884.5	875.7	868.3	864.5	860.	866.9	869.7	871.2	880.3	899.6	903.2	888.8	[5]878.5	863.9	853.1	845.8	849.3	.....

[1] 54°.4 Fah. [2] 56°.2 Fah. [3] 54°.4 Fah. [4] 55°.2 Fah. [5] 56°.6 Fah.

VERTICAL FORCE MAGNETOMETER.

G.T.	4m.	10m.	16m.	22m.	28m.	34m.	40m.	46m.	52m.	58m.	64m.	70m.	76m.	82m.	88m.	94m.	100m.	106m.	112m.	118m.
h.																				
1...	.....	.....	.....	625.1	623.7	622.4	623.6	633.1	630.2	[4]628.9	624.5	623.	619.7	621.	628.	626.6	.....	.....	.....	.....
3...	.....	.....	.....	.....	.....	.....	.....	.....	.....	[5]652.	.....	[7]647.1	644.4	637.5	638.3	635.5	640.	640.	641.7	643.5
5...	[1]645.4	643.	646.2	650.2	[3]657.3	661.5	663.5	668.	674.7	[6]682.	684.9	687.4	691.8	[8]692.1	692.3	684.7	680.	680.	680.6	679.6
7...	682.1	687.1	[2]690.4	691.1	693.	696.3	700.4	703.6	706.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] 60°.2 Fah. [2] 62°.6 Fah. [3] 61° Fah. [4] 59° Fah. [5] 58°.5 Fah. [6] 61°.7 Fah. [7] 58°.6 Fah. [8] 62° Fah.

At 4*h.* 3*m.*, Gött. time, a very luminous arc, extending to about 15° above Hor., and about 90° along it, in the N.; 4*h.* 18*m.*, light slightly increasing; 4*h.* 33*m.*, a slight decrease of light; 4*h.* 58*m.*, light alternately appearing and disappearing; 5*h.* 13*m.*, 4 streamers of unusual brightness, reaching 30° above Hor.; 5*h.* 16*m.*, light particularly bright in NW., from whence a large streamer of 20° is shooting; also, one due N. of 15°; 5*h.* 20*m.*, light subsided, no streamers; 5*h.* 23*m.*, small streamers appearing; 5*h.* 26*m.*, large streamers, attended with great light, in NW.; 5*h.* 28*m.*, the arc still remains about 15° above Hor., but has shortened its chord to 30°—no streamers; 5*h.* 31*m.*, arc scarcely visible; 6*h.* 3*m.*, two arcs visible; 6*h.* 8*m.*, a large streamer of 20° in length; 6*h.* 16*m.*, considerable light, without the arc; 6*h.* 48*m.*, light very faint; 7*h.* 3*m.*, slight appearances of an arc; 7*h.* 13*m.*, faint streamer of 10°; 7*h.* 38*m.*, faint streamer of 20°; 7*h.* 48*m.*, 2 faint streamers; 8*h.* 13*m.*, several faint streamers; 8*h.* 28*m.*, 1 large but faint streamer due N., about 20° in length; light has nearly disappeared; 8*h.* 43*m.*, light scarcely visible; 9*h.* 13*m.*, no light visible, and instruments quiet.

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

OBSERVATIONS OF THE TIME OF VIBRATION OF THE MAGNETOMETER BARS.

GENERAL NOTES.

It was intended that observations of the time of vibration of each of the magnetometer bars should be made once a month, and directions were given to that effect in the autumn of 1841. The few series of observations actually taken are recorded in the following table.

The copper dampers were removed from the magnetometer during the observations, and the trouble and danger of disturbing the adjustments of the magnetometer, while handling the case of the instrument, may serve to explain the discontinuance of the observations.

TIME OF VIBRATION OF THE MAGNETOMETER BARS.

Date.	Declinometer.			Vertical force magnetometer.			Horizontal force magnetometer.		
	Number of vibrations.	Time of one vibration.	Temperature, Fah.	Number of vibrations.	Time of one vibration.	Temperature, Fah.	Number of vibrations.	Time of one vibration.	Temperature, Fah.
1841.		*min.*	°		*min.*	°		*min.*	°
November 1.....	115	23.25	66.1	83	29.57	66.1	48	46.30	66.3
December 1.....	79	21.48	39.	48	30.79	39.	49	47.02	37.6
1842.									
January 6.....	134	23.88	58.7	82	29.88	58.7	..	.....	....
February 3.....	140	23.77	72.5	...	.....	....	47	47.49	71.
February 10.....	....	.....	....	102	28.06	55.9	..	.....	....
February 24.....	....	.....	....	106	28.59	66.6	..	.....	....
March 3.....	122	23.94	75.	94	28.29	75.	51	45.22	73.2
March 10.....	....	.....	....	114	28.20	72.3	..	.....	....
March 17.....	....	.....	....	100	28.20	66.	..	.....	....
March 31.....	....	.....	....	...	.....	....	..	.....	....
April 7.....	110	23.94	72.	108	28.07	72.	40	47.65	71.
April 14.....	....	.....	....	100	27.94	69.6	..	.....	....
April 28.....	....	.....	....	100	28.16	64.	..	.....	....
May 5.....	....	.....	....	102	27.98	69.	..	.....	....
May 12.....	....	.....	....	100	27.76	64.	..	.....	....
May 19.....	....	.....	....	100	27.71	73.	..	.....	....
June 2.....	....	.....	....	100	28.04	70.	..	.....	....
June 9.....	....	.....	....	100	27.70	70.	..	.....	....

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

OBSERVATIONS OF MAGNETIC DIP,

FROM JANUARY TO DECEMBER, 1842.

GENERAL NOTE.

Observations of the magnetic dip were made once each week, with a dip circle of six inches diameter, by Robinson, of London, made in 1836. The needles used were Nos. 1 and 2, the poles of which were reversed in each set of observations. The ends of the needles are marked A and B. The place of observation was on a marble pier, about twenty feet from the northeast angle of the observatory. The time is observatory mean time.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	West	West	71 50	71 42	71 46	36.5	Time, 10*h*. A. M.; needle No. 1.
			72 04	72 02	72 03	....	
			71 45	71 43	71 44	....	
		East	71 32	71 36	71 34	....	
			71 10	71 12	71 11	....	Taken on a tripod.
			71 15	71 20	71 17	....	Wind north, rather high.
	East	West	72 34	72 32	72 33	....	Clear.
			72 40	72 38	72 39	....	
			72 35	72 34	72 34	....	
		East	71 50	71 56	71 53	....	
			71 50	71 58	71 54	....	Needle No. 1, with A end south,
			71 50	71 58	71 54	....	gives 71° 55′.2.
A	East	East	71 18	71 26	71 22	....	
			71 18	71 24	71 21	....	
			71 20	71 26	71 23	....	
		West	73 00	73 00	73 00	....	
			73 08	73 10	73 09	....	
			72 55	72 52	72 53	....	
	West	East	71 08	71 14	71 11	....	
			71 10	71 18	71 14	....	Needle No. 1 gives—
			71 08	71 15	71 11	....	With A end north ..... 71° 56′.4
		West	72 06	72 10	72 08	....	With A end south 71 55.2
			72 10	72 12	72 11	....	
			72 10	72 15	72 12	....	Dip by 24 observations... 71 55.8

A	West	West	71 40	71 46	71 43	33.	Time, 10*h*. A. M.; needle No. 1.
			71 25	71 28	71 26	....	
			71 20	71 25	71 22	....	
		East	71 45	71 50	71 47	....	
			71 58	72 02	72 00	....	Taken on tripod, 8 feet west of the
			71 58	72 00	71 59	....	former place.
	East	West	71 55	72 05	72 00	....	Snowing.
			71 54	72 05	71 59	....	
			71 58	71 58	71 58	....	
		East	72 20	72 38	72 29	....	
			72 30	72 28	72 29	....	Needle No. 1, with A end north,
			72 32	72 28	72 30	....	gives 71° 58′.6.
B	East	East	72 15	72 15	72 15	....	
			72 05	72 05	72 05	....	
			72 10	72 15	72 12	....	
		West	72 38	72 38	72 38	....	
			72 10	72 12	72 11	....	
			72 15	72 15	72 15	....	
	West	East	71 02	71 05	71 03	....	
			71 28	71 32	71 30	....	Needle No. 1 gives—
			71 30	71 36	71 33	....	With A end north ..... 71° 58′.6
		West	71 35	71 40	71 37	....	With A end south 71 53.6
			71 35	71 40	71 37	....	
			71 42	71 48	71 45	....	Dip by 24 observations... 71 56.1

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	West	West	71 45	71 48	71 46	39.	Time, 10*h*. A. M.; needle No. 1.
			71 40	71 42	71 41	....	
			71 35	71 36	71 35	....	
		East	71 42	71 42	71 42	....	Taken in the same place as on January 4th.
			71 36	71 36	71 36	....	
			71 40	71 42	71 41	....	Clear and calm.
	East	West	72 10	72 15	72 12	....	
			71 54	72 00	71 57	....	
			72 02	72 05	72 03	....	
		East	72 06	72 04	72 05	....	
			72 20	72 20	72 20	....	Needle No. 1, with A end south, gives 71° 55′.
			72 20	72 20	72 20	....	
A	East	East	72 20	72 16	72 18	....	
			72 10	72 18	72 14	....	
			72 08	72 14	72 11	....	
		West	72 38	72 40	72 39	....	
			72 18	72 18	72 18	....	
			72 20	72 20	72 20	....	
	West	East	71 43	71 45	71 44	....	
			71 38	71 40	71 39	....	Needle No. 1 gives—
			71 40	71 42	71 41	....	With A end north ..... 72° 00′.9
		West	71 48	71 46	71 47	....	With A end south 71 55
			71 42	71 40	71 41	....	
			71 40	71 38	71 39	....	Dip by 24 observations... 71 58

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A	West	West	71 42	71 40	71 41	31.	Time, 10*h*. A. M.; needle No. 1.
			71 28	71 23	71 25	....	
			71 48	71 44	71 46	....	
		East	71 38	71 38	71 38	....	
			71 50	71 48	71 49	....	Taken as on the 18th.
			71 35	71 28	71 31	....	Clear; brisk wind from north.
	East	West	72 02	72 06	72 04	....	
			72 04	72 10	72 07	....	
			72 00	72 08	72 04	....	
		East	72 19	72 24	72 21	....	
			72 22	72 28	72 25	....	Needle No. 1, with A end north, gives 71° 56′.3.
			72 20	72 26	72 23	....	
B	East	East	72 10	72 15	72 12	....	
			72 10	72 18	72 14	....	
			72 22	72 28	72 25	....	
		West	72 22	72 26	72 24	....	
			72 30	72 36	72 33	....	
			72 26	72 30	72 28	....	
	West	East	71 40	71 44	71 42	....	
			71 44	71 48	71 46	....	Needle No. 1 gives—
			71 40	71 44	71 42	....	With A end north ..... 71° 56′.3
		West	71 50	71 54	71 52	....	With A end south 72 04
			71 48	71 50	71 49	....	
			71 44	71 46	71 45	....	Dip by 24 observations... 72 00 .3

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	West	West	71 45	71 40	71 42	....	Time, 10*h*. A. M.; needle No. 1.
			71 44	71 50	71 47	....	
			71 50	71 46	71 48	....	Taken in the same place as on January 25th, on a marble pier.
		East	71 40	71 40	71 40	....	
			71 30	71 32	71 31	....	
			71 30	71 30	71 30	....	
	East	West	72 20	72 22	72 21	....	Clear; wind west, moderate.
			72 12	72 14	72 13	....	
			72 16	72 18	72 17	....	
		East	72 10	72 12	72 11	....	
			72 12	72 16	72 14	....	Needle No. 1, with A end south, gives 71° 57′.1
			72 10	72 12	72 11	....	
A	East	East	72 14	72 18	72 16	....	
			72 12	72 15	72 13	....	
			72 20	72 20	72 20	....	
		West	72 20	72 20	72 20	....	
			72 10	72 10	72 10	....	
			72 20	72 20	72 20	....	
	West	East	71 48	71 45	71 47	....	
			71 42	71 40	71 41	....	Needle No. 1 gives—
			71 38	71 38	71 38	....	With A end north ..... 72° 01′.9
		West	71 55	71 52	71 53	....	With A end south 71 57.1
			72 04	72 02	72 03	....	
			71 42	71 40	71 41	....	Dip by 24 observations... 71 59.5

A	West	West	71 48	71 48	71 48	38.	Time, 10*h*. A. M.; needle No. 1.
			71 36	71 36	71 36	....	
			71 40	71 40	71 40	....	
		East	71 50	71 46	71 48	....	
			71 52	71 50	71 51	....	
			71 52	71 50	71 51	....	Partially overcast.
	East	West	72 18	72 18	72 18	....	Wind west-southwest, moderate.
			72 12	72 14	72 13	....	
			72 20	72 22	72 21	....	
		East	72 34	72 34	72 34	....	
			72 20	72 22	72 21	....	Needle No. 1, with A end north, gives 72° 03′.6.
			72 22	72 24	72 23	....	
B	East	East	71 58	71 58	71 58	....	
			72 02	72 06	72 04	....	
			72 02	72 04	72 03	....	
		West	72 26	72 26	72 26	....	
			72 22	72 24	72 23	....	
			72 18	72 18	72 18	....	
	West	East	71 12	71 12	71 12	....	
			71 12	71 16	71 14	....	Needle No. 1 gives—
			71 06	71 08	71 07	....	With A end north ..... 72° 03′.6
		West	72 06	72 08	72 07	....	With A end south 71 55.1
			72 02	72 04	72 03	....	
			72 04	72 08	72 06	....	Dip by 24 observations... 71 59.3

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	West	West	72 00	72 00	72 00	25.	Time, 10*h*. A. M.; needle No. 1.
			71 58	71 58	71 58	....	
			71 56	71 58	71 57	....	
		East	71 24	71 26	71 25	....	
			71 14	71 14	71 14	....	
			71 12	71 10	71 11	....	Cloudy; wind west, rather high.
	East	West	72 22	72 25	72 23	....	
			72 22	72 24	72 23	....	
			72 12	72 15	72 13	....	
		East	72 02	71 58	72 00	....	
			71 56	71 58	71 57	....	Needle No. 1, with A end south,
			71 56	71 58	71 57	....	gives 71° 53′.2.
A	East	East	72 22	72 20	72 21	....	
			72 18	72 18	72 18	....	
			72 22	72 22	72 22	....	
		West	72 15	72 15	72 15	....	
			72 14	72 12	72 13	....	
			72 13	72 13	72 13	....	
	West	East	71 38	71 40	71 39	....	
			71 40	71 42	71 41	....	Needle No. 1 gives—
			71 48	71 48	71 48	....	With A end north..... 71° 58′
		West	71 38	71 38	71 38	....	With A end south..... 71 53.2
			71 30	71 30	71 30	....	
			71 38	71 38	71 38	....	Dip by 24 observations... 71 55.6

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A	West	West	71 40	71 42	71 41	33.	Time, 10*h*. A. M.; needle No. 1.
			71 44	71 46	71 45	....	
			71 40	71 40	71 40	....	
		East	71 36	71 38	71 37	....	
			71 30	71 32	71 31	....	
			71 32	71 32	71 32	....	Clear and calm.
	East	West	72 20	72 20	72 20	....	
			72 30	72 30	72 90	....	
			72 30	72 30	72 30	....	
		East	72 25	72 25	72 25	....	
			72 30	72 30	72 30	....	Needle No. 1, with A end north,
			72 24	72 24	72 24	....	gives 72° 02′.
B	East	East	72 20	72 22	72 21	....	
			72 20	72 22	72 21	....	
			72 20	72 22	72 21	....	
		West	71 48	71 50	71 49	....	
			71 52	71 56	71 54	....	
			71 48	71 46	71 47	....	
	West	East	72 10	72 12	72 11	....	
			71 52	71 56	71 54	....	Needle No. 1 gives—
			71 50	71 50	71 50	....	With A end north..... 72° 02′
		West	71 38	71 40	71 39	....	With A end south..... 71 56.7
			71 35	71 38	71 36	....	
			71 35	71 40	71 37	....	Dip by 24 observations... 71 59.3

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	West	West	71 38	71 40	71 39	47.5	Time, 10*h*. A. M.; needle No. 1.
			71 38	71 40	71 39	....	
			71 30	71 32	71 31	....	
		East	71 28	71 30	71 29	....	
			71 32	71 34	71 33	....	
			71 48	71 32	71 40	....	Cloudy; wind southeast, light.
	East	West	71 40	71 40	71 40	....	
			71 46	71 48	71 47	....	
			71 38	71 38	71 38	....	
		East	72 20	72 22	72 21	....	
			72 30	72 30	72 30	....	Needle No. 1, with A end south,
			72 26	72 28	72 27	....	gives 71° 49′.5.
A	East	East	72 20	72 22	72 21	....	
			72 38	72 38	72 38	....	
			72 43	72 45	72 44	....	
		West	72 22	72 24	72 23	....	
			72 24	72 26	72 25	....	
			72 30	72 30	72 30	....	
	West	East	71 40	71 40	71 40	....	
			71 23	71 25	71 24	....	Needle No. 1 gives—
			71 22	71 24	71 23	....	With A end north ..... 72° 08′.1
		West	72 00	72 02	72 01	....	With A end south 71 49.5
			71 58	72 00	71 59	....	
			72 08	72 10	72 09	....	Dip by 24 observations... 71 58.8

A	West	West	71 58	72 00	71 59	37.5	Time 10*h*. A. M.; needle No. 1.
			71 56	71 58	71 57	....	
			71 58	72 00	71 59	....	
		East	71 32	71 34	71 33	....	
			71 34	71 36	71 35	....	
			71 38	71 38	71 38	....	Clear; wind northwest, light.
	East	West	72 20	72 22	72 21	....	
			72 28	72 28	72 28	....	
			72 27	72 25	72 26	....	
		East	72 24	72 22	72 23	....	
			72 20	72 22	72 21	....	Needle No. 1, with A end north,
			72 16	72 16	72 16	....	gives 72° 04′.6.
B	East	East	72 05	72 05	72 05	....	
			72 22	72 22	72 22	....	
			72 08	72 08	72 08	....	
		West	72 20	72 20	72 20	....	
			72 06	72 06	72 06	....	
			72 16	72 14	72 15	....	
	West	East	71 28	71 30	71 29	....	
			71 20	71 24	71 22	....	Needle No. 1 gives—
			71 16	71 20	71 18	....	With A end north ..... 72° 04′.6.
		West	71 42	71 40	71 41	....	With A end south 71 51
			71 38	71 38	71 38	....	
			71 28	71 28	71 28	....	Dip by 24 observations... 71 57.8

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	West	West	71 45	71 48	71 46	43.	Time, 10*h*. A. M.; needle No. 1.
			71 48	71 50	71 49	....	
			71 46	71 48	71 47	....	
		East	71 20	71 26	71 23	....	
			71 22	71 26	71 24	....	
			71 28	71 30	71 29	....	Clear and calm.
	East	West	72 14	72 18	72 16	....	
			72 12	72 12	72 12	....	
			72 00	72 00	72 00	....	
		East	72 10	72 10	72 10	....	
			72 08	72 08	72 08	....	Needle No. 1, with A end south,
			72 08	72 08	72 08	....	gives 71° 52′.7.
A	East	East	72 26	72 26	72 26	....	
			72 24	72 24	72 24	....	
			72 14	72 14	72 14	....	
		West	72 22	72 25	72 23	....	
			72 22	72 22	72 22	....	
			72 22	72 23	72 22	....	
	West	East	71 48	71 50	71 49	....	
			71 50	71 52	71 51	....	Needle No. 1 gives—
			71 50	71 50	71 50	....	With A end north ..... 72° 07′.5
		West	71 56	71 58	71 57	....	With A end south ..... 71 52 .7
			72 00	72 00	72 00	....	
			71 58	71 54	71 56	....	Dip by 24 observations... 72 00 .1

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
A	West	West	72 00	72 02	72 01	38.	Time, 10*h*. A. M.; needle No. 1.
			72 00	72 02	72 01	....	
			72 00	72 02	72 01	....	
		East	71 38	71 40	71 39	....	
			71 34	71 36	71 35	....	Mizzling rain.
			71 48	71 48	71 48	....	Wind northwest.
	East	West	72 18	72 20	72 19	....	
			72 28	72 28	72 28	....	
			72 24	72 24	72 24	....	
		East	72 28	72 28	72 28	....	
			72 36	72 34	72 35	....	Needle No. 1, with A end north,
			72 18	72 20	72 19	....	gives 72° 08′.2.
B	East	East	72 08	72 08	72 08	....	
			72 06	72 06	72 06	....	
			72 06	72 06	72 06	....	
		West	72 22	72 22	72 22	....	
			72 14	72 14	72 14	....	
			72 20	72 20	72 20	....	
	West	East	71 08	71 12	71 10	....	
			71 12	71 16	71 14	....	Needle No. 1 gives—
			71 20	71 22	71 21	....	With A end north ..... 72° 08′.2
		West	72 04	72 10	72 07	....	With A end south ..... 71 55 .7
			71 58	72 06	72 02	....	
			71 56	72 00	71 58	....	Dip by 24 observations... 72 02

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	West	West	72 05	72 10	72 07	43.	Time, 10*h*. A. M.; needle No. 1.
			72 02	72 05	72 03	....	
			72 00	72 04	72 02	....	
		East	71 30	71 30	71 30	....	
			71 12	71 15	71 13	....	
			71 04	71 06	71 05	....	Clear and calm.
	East	West	72 28	72 30	72 29	....	
			72 28	72 28	72 28	....	
			72 24	72 24	72 24	....	
		East	71 52	71 54	71 53	....	
			71 52	71 54	71 53	....	Needle No. 1, with A end south,
			71 50	71 50	71 50	....	gives 71° 54′.9.
A	East	East	72 20	72 20	72 20	....	
			72 22	72 22	72 22	....	
			72 28	72 26	72 27	....	
		West	72 22	72 22	72 22	....	
			72 18	72 18	72 18	....	
			72 18	72 18	72 18	....	
	West	East	71 40	71 42	71 41	....	
			71 34	71 38	71 36	....	Needle No. 1 gives—
			71 44	71 46	71 45	....	With A end north ..... 72° 02′.6
		West	71 46	71 50	71 48	....	With A end south 71 54.9
			71 48	71 52	71 50	....	
			71 42	71 46	71 44	....	Dip by 24 observations... 71 58.3

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A	West	West	71 56	71 56	71 56	....	Time, 10*h*. A. M.; needle No. 1.
			71 56	71 56	71 56	....	
			71 56	71 56	71 56	....	
		East	71 50	71 54	71 52	....	
			71 44	71 50	71 47	....	
			71 58	71 58	71 58	....	Mizzling rain.
	East	West	72 15	72 15	72 15	....	
			71 25	71 25	71 25	....	
			71 25	71 25	71 25	....	
		East	71 28	71 26	71 27	....	
			71 40	71 40	71 40	....	Needle No. 1, with A end north,
			71 40	71 40	71 40	....	gives 71° 46′.4.
B	East	East	71 56	71 56	71 56	....	
			71 50	71 50	71 50	....	
			71 58	71 56	71 57	....	
		West	72 36	72 38	72 37	....	
			72 24	72 24	72 24	....	
			72 20	72 20	72 20	....	
	West	East	71 32	71 34	71 33	....	
			71 14	71 16	71 15	....	Needle No. 1 gives—
			71 14	71 14	71 14	....	With A end north ..... 71° 46′.4
		West	72 08	72 12	72 10	....	With A end south 71 55.5
			72 00	72 00	72 00	....	
			71 50	71 50	71 50	....	Dip by 24 observations... 71 50.9

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	West	West	71 52	71 50	71 51	60.	Time, 10*h.* 30*m.*; needle No. 1.
			72 08	72 06	72 07	....	
			72 04	72 00	72 02	....	
		East	71 28	71 22	71 25	....	
			71 28	71 22	71 25	....	
			71 16	71 12	71 14	....	Needle makes 10 oscillations in 30
	East	West	72 36	72 36	72 36	....	seconds of time.
			72 20	72 20	72 20	....	
			72 20	72 20	72 20	....	
		East	72 00	72 00	72 00	....	
			72 06	72 06	72 06	....	Needle No. 1, with A end south,
			71 58	71 58	71 58	....	gives 71° 57′.
A	East	East	72 30	72 30	72 30	95.*	
			72 20	72 20	72 20	....	
			72 25	72 27	72 26	....	
		West	72 02	72 02	72 02	....	Needle makes 21 oscillations in 60
			72 16	72 16	72 16	....	seconds of time.
			72 15	72 15	72 15	....	
	West	East	72 04	72 02	72 03	....	
			72 04	72 02	72 03	....	Needle No. 1 gives—
			71 56	71 54	71 55	....	With A end north ..... 72° 06′.2
		West	71 46	71 44	71 45	....	With A end south 71 57
			71 52	71 50	71 51	....	
			71 50	71 48	71 49	....	Dip by 24 observations... 72 01.6

A	West	West	71 50	71 48	71 49	43.	Needle No. 1.
			71 44	71 40	71 42	....	
			71 58	71 54	71 56	....	
		East	72 04	72 04	72 04	....	
			71 52	71 52	71 52	....	Needle makes 22 oscillations in 61
			72 00	72 00	72 00	....	seconds of time.
	East	West	72 10	72 10	72 10	....	Third day of an easterly storm.
			72 12	72 12	72 12	....	
			72 14	72 12	72 13	....	
		East	72 30	72 30	72 30	....	
			72 36	72 36	72 36	....	Needle No. 1, with A end north,
			72 38	72 38	72 38	43.2	gives 72° 08′.5.
B	East	East	72 22	72 22	72 22	43.5	
			72 18	72 18	72 18	....	
			72 20	72 20	72 20	....	
		West	72 06	72 04	72 05	....	Needle makes 22 oscillations in 63
			72 04	72 02	72 03	....	seconds of time.
			71 58	71 58	71 58	....	
	West	East	71 56	71 54	71 55	....	
			71 44	71 40	71 42	....	Needle No. 1 gives—
			71 40	71 36	71 38	....	With A end north ..... 72° 08′.5
		West	71 42	71 40	71 41	....	With A end south 71 55.3
			71 32	71 28	71 30	....	
			71 34	71 30	71 32	43.7	Dip by 24 observations... 72 01.9

* Thermometer in the sun.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	West	West	71 36	71 34	71 35	76.5	Time, 9*h*. 35*m*.; needle No. 1.
			71 32	71 30	71 31	....	
			71 50	71 46	71 48	....	
		East	71 54	71 50	71 52	....	
			71 58	71 52	71 55	....	
			71 54	71 50	71 52	76.5	Needle makes 21 oscillations in 60
	East	West	71 48	71 48	71 48	....	seconds of time.
			71 40	71 40	71 40	....	
			71 44	71 44	71 44	....	
		East	72 12	72 12	72 12	....	
			72 20	72 18	72 19	....	Needle No. 1, with A end south,
			72 14	72 12	72 13	....	gives 71° 52′.4.
A	East	East	72 28	72 28	72 28	76.5	Time, 10*h*. 20*m*.
			72 42	72 42	72 42	....	
			72 30	72 32	72 31	....	
		West	72 22	72 22	72 22	....	Needle makes 22 oscillations in 61.5
			72 18	72 18	72 18	....	seconds of time.
			72 10	72 10	72 10	....	
	West	East	72 10	72 10	72 10	....	
			72 00	72 00	72 00	....	Needle No. 1 gives—
			72 00	72 00	72 00	....	With A end north..... 72° 10′.5
		West	71 45	71 45	71 45	....	With A end south..... 71 52 .4
			71 50	71 50	71 50	....	
			71 50	71 50	71 50	76.5	Dip by 24 observations... 72 01 .4

A	West	West	71 46	71 42	71 44	47.	Time, 10*h*. 3*m*.; needle No. 1.
			71 30	71 26	71 28	....	
			71 58	71 56	71 57	....	
		East	72 10	72 08	72 09	....	
			72 10	72 06	72 08	....	Needle makes 21 oscillations in 60
			71 58	71 52	71 55	....	seconds of time.
	East	West	72 20	72 20	72 20	....	Raining; wind west-northwest.
			72 30	72 30	72 30	....	
			72 10	72 10	72 10	....	
		East	72 40	72 40	72 40	....	
			72 40	72 40	72 40	....	Needle No. 1, with A end north,
			72 36	72 36	72 36	....	gives 72° 11′.4.
B	East	East	72 08	72 08	72 08	....	Time, 10*h*. 35*m*.
			72 02	72 02	72 02	....	
			72 16	72 16	72 16	....	
		West	71 58	71 58	71 58	....	Needle makes 21 oscillations in 61
			72 08	72 08	72 08	....	seconds of time.
			72 08	72 08	72 08	....	
	West	East	71 56	71 54	71 55	....	
			71 46	71 44	71 45	....	Needle No. 1 gives—
			71 22	71 20	71 21	....	With A end north..... 72° 11′.4
		West	71 48	71 48	71 48	....	With A end south..... 71 56 .1
			71 52	71 52	71 52	....	
			71 52	71 52	71 52	47.	Dip by 24 observations... 72 03. 7

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End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	West	West	72 06	72 04	72 05	72.5	Time, 9*h.* 10*m.*; needle No. 1.
			72 00	71 58	71 59	....	
			72 06	72 04	72 05	....	
		East	71 48	71 44	71 46	....	
			71 50	71 46	71 48	....	Needle makes 20 oscillations in 60
			71 48	71 44	71 46	....	seconds of time.
	East	West	72 10	72 10	72 10	....	Light haze.
			72 04	72 04	72 04	....	
			72 08	72 08	72 08	....	
		East	72 02	72 02	72 02	....	
			72 00	72 00	72 00	....	Needle No. 1, with A end south,
			72 00	72 00	72 00	....	gives 71° 59′.4.
A	East	East	72 58	73 00	72 59	73.5	Time, 9*h.* 48*m.*
			72 56	72 58	72 57	....	
			73 00	73 02	73 01	....	
		West	71 40	71 40	71 40	....	Needle makes 21 oscillations in 62
			71 50	71 50	71 40	....	seconds of time.
			71 45	71 45	71 45	....	
	West	East	72 26	72 24	72 25	....	
			72 32	72 30	72 31	....	Needle No. 1 gives—
			72 32	72 30	72 31	....	With A end north ..... 72° 09′.4
		West	71 22	71 20	71 21	....	With A end south ..... 71 59 .4
			71 34	71 30	71 32	....	
			71 32	71 30	71 31	75.	Dip by 24 observations... 72 04 .4

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B	West	West	71 03	71 05	71 04	75.3	Time, 10*h.* 30*m.*; needle No. 2.
			70 40	70 38	70 39	....	
			70 40	70 40	70 40	....	
		East	72 40	72 40	72 40	....	
			72 40	72 40	72 40	....	Needle makes 20 oscillations in 61
			72 42	72 42	72 42	....	seconds of time.
	East	West	71 38	71 38	71 38	....	Hazy.
			71 18	71 18	71 18	....	
			71 00	71 00	71 00	....	
		East	73 08	73 08	73 08	....	
			73 30	73 30	73 30	....	Needle No. 2, with A end south,
			73 32	73 32	73 32	76.	gives 72° 02′.6.
A	East	East	71 52	71 52	71 52	76.2	Time, 10*h.* 57*m.*
			71 56	71 58	71 57	....	Needle makes 21 oscillations in 60
			71 58	71 58	71 58	....	seconds of time.
		West	72 02	72 02	72 02	....	Needle No. 2 gives—
			72 16	72 16	72 16	....	With A end north..... 71° 54′.2
			72 28	72 28	72 28	....	With A end south..... 72 02 .6
	West	East	71 40	71 40	71 40	....	Dip by 24 observations... 71 58 .4
			71 35	71 35	71 35	....	24 observations of needles give—
			71 38	71 38	71 38	....	
		West	71 48	71 46	71 47	....	No. 1..... 72° 04′.4
			71 50	71 50	71 50	....	No. 2..... 71 58 .4
			71 48	71 46	71 47	77.	Mean dip..... 72 01 .4

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	West	West	71 36	71 34	71 35	70.	Time, 9*h.* 40*m.*; needle No. 1.
			71 32	71 30	71 31	....	
			71 30	71 28	71 29	....	
		East	72 34	72 32	72 33	....	
			72 28	72 26	72 27	....	
			72 34	72 36	72 35	....	Needle makes 21 oscillations in 62
	East	West	71 46	71 48	71 47	....	seconds of time.
			71 42	71 42	71 42	....	
			71 42	71 42	71 42	....	
		East	72 58	72 58	72 58	....	
			73 00	73 00	73 00	....	Needle No. 1, with A end north,
			73 00	73 00	73 00	72.2	gives 72° 11′.6.
B	East	East	72 04	72 02	72 03	72.	Time, 10*h.* 20*m.*; needle No. 1.
			72 18	72 18	72 18	....	
			72 12	72 12	72 12	73.2	
		West	71 54	71 52	71 53	....	Needle makes 19 oscillations in 60
			72 12	72 12	72 12	....	seconds of time.
			71 50	71 50	71 50	....	
	West	East	71 34	71 32	71 33	....	
			71 10	71 08	71 09	....	Needle No. 1 gives—
			71 20	71 18	71 19	....	With A end north ..... 72° 11′.6
		West	72 02	72 00	72 01	....	With A end south 71 51.3
			71 56	71 54	71 55	....	
			71 52	71 50	71 51	73.	Dip by 24 observations... 72 01.4

B	West	West	71 44	71 40	71 42	62.	Time, 9*h.* 38*m.*; needle No. 1.
			71 32	71 28	71 30	....	
			71 20	71 16	71 18	....	
		East	71 54	71 50	71 52	....	
			71 44	71 40	71 42	....	
			71 42	71 38	71 40	....	Needle makes 21 oscillations in 61
	East	West	71 46	71 42	71 44	....	seconds of time.
			71 40	71 40	71 40	....	
			71 38	71 38	71 38	....	
		East	72 24	72 22	72 23	....	
			72 18	72 18	72 18	....	Needle No. 1, with A end south,
			72 20	72 20	72 20	63.	gives 71° 48′.9.
A	East	East	72 30	72 30	72 30	63.	Time, 10*h.* 24*m.*; needle No. 1.
			72 46	72 46	72 46	....	
			72 44	72 44	72 44	....	
		West	72 04	72 02	72 03	....	Needle makes 20 oscillations in 60
			72 08	72 06	72 07	....	seconds of time.
			72 04	72 02	72 03	....	
	West	East	72 00	72 00	72 00	....	
			72 08	72 06	72 07	....	Needle No. 1 gives—
			72 06	72 04	72 05	....	With A end north ..... 72° 06′.7
		West	71 40	71 40	71 40	....	With A end south 71 48.9
			71 36	71 34	71 35	....	
			71 42	71 40	71 41	64.	Dip by 24 observations... 71 57.8

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	West	West	71 46	71 44	71 45	58.	Time, 9*h.* 55*m.*; needle No. 1.
			71 50	71 44	71 47	....	
			71 42	71 40	71 41	....	
		East	72 10	72 08	72 09	....	
			72 08	72 06	72 07	....	Needle makes 20 oscillations in 60
			72 05	72 03	72 04	....	seconds of time.
	East	West	72 06	72 02	72 04	....	
			72 16	72 12	72 14	....	
			72 10	72 06	72 08	....	
		East	72 50	72 50	72 50	....	
			72 50	72 50	72 50	....	Needle No. 1, with A end north,
			72 44	72 42	72 43	59.	gives 72° 11′.8.
B	East	East	72 10	72 06	72 08	59.	Time, 10*h.* 34*m.*
			72 18	72 16	72 17	....	
			72 10	72 06	72 08	....	
		West	71 50	71 48	71 49	....	Needle makes 20 oscillations in 61
			71 54	71 54	71 54	....	seconds of time.
			72 02	72 02	72 02	....	
	West	East	71 30	71 26	71 28	....	
			71 42	71 38	71 40	....	Needle No. 1 gives—
			71 40	71 40	71 40	....	With A end north ..... 72° 11′.8
		West	71 48	71 46	71 47	....	With A end south 71 53.4
			72 00	72 00	72 00	....	
			71 50	71 46	71 48	60.	Dip by 24 observations... 72 02.6

B	West	West	71 38	71 32	71 35	66.	Time, 9*h.* 25*m.*; needle No. 1.
			71 50	71 46	71 48	....	
			71 48	71 42	71 45	....	
		East	71 48	71 44	71 46	....	
			71 38	71 34	71 36	....	Needle makes 20 oscillations in 61.5
			71 38	71 34	71 36	....	seconds of time.
	East	West	72 04	72 02	72 03	....	
			72 06	72 04	72 05	....	
			71 48	71 44	71 46	....	
		East	72 15	72 15	72 15	....	
			72 08	72 08	72 08	....	Needle No. 1, with A end south,
			72 12	72 12	72 12	67.5	gives 71° 52′.9.
A	East	East	72 22	72 22	72 22	68.	Time, 10*h.* 8*m.*
			72 28	72 28	72 28	....	
			72 28	72 28	72 28	....	
		West	72 10	72 10	72 10	....	Needle makes 22 oscillations in 60
			72 16	72 14	72 15	....	seconds of time.
			72 10	72 10	72 10	....	
	West	East	72 00	72 00	72 00	....	
			72 10	72 10	72 10	....	Needle No. 1 gives—
			71 50	71 50	71 50	....	With A end north ..... 72° 09′.1
		West	72 00	72 00	72 00	....	With A end south 71 52.9
			72 00	72 00	72 00	....	
			71 58	71 56	71 57	68.5	Dip by 24 observations... 72 01

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm, Fah.	Remarks.
			° ′	° ′	° ′	°	
A	West	West	71 54	71 52	71 53	75.	Tima, 9*h*. 32*m*.; needle No. 1.
			71 42	71 40	71 41	....	
			71 44	71 40	71 42	....	
		East	71 20	71 20	71 20	....	
			71 15	71 13	71 14	....	Needle makes 22 oscillations in 60 seconds of time.
			71 25	71 23	71 24	....	
	East	West	72 18	72 18	72 18	....	
			72 08	72 04	72 06	....	
			72 12	72 12	72 12	....	
		East	72 36	72 34	72 35	....	
			72 30	72 30	72 30	....	Needle No. 1, with A end north, gives 71° 57′.1.
			72 30	72 30	72 30	76.	
B	East	East	72 00	72 00	72 00	76.5	Time, 10*h*. 21*m*.
			71 55	71 53	71 54	....	
			72 30	72 30	72 30	....	
		West	72 45	72 43	72 44	....	Needle makes 22 oscillations in 60.5 seconds of time.
			72 15	72 15	72 15	....	
			72 28	72 28	72 28	....	
	West	East	71 36	71 34	71 35	....	
			71 24	71 22	71 23	....	Needle No. 1 gives—
			71 32	71 28	71 30	....	With A end north ..... 71° 57′.1
		West	71 48	71 44	71 46	....	With A end south ..... 71 59 .1
			71 58	71 54	71 56	....	
			71 50	71 46	71 48	77.	Dip by 24 observations... 71 58 .1

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End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm, Fah.	Remarks.
B	West	West	72 02	71 58	72 00	67.	Time, 9*h*.; needle No. 1.
			72 02	71 58	72 00	....	
			71 56	71 52	71 54	....	
		East	71 42	71 38	71 40	....	
			71 26	71 22	71 24	....	Needle makes 23 oscillations in 61 seconds of time.
			71 22	71 20	71 21	68.2	
	East	West	72 15	72 15	72 15	....	
			72 08	72 08	72 08	....	
			72 18	72 18	72 18	....	
		East	71 55	71 55	71 55	....	
			71 58	71 58	71 58	....	Needle No. 1, with A end south, gives 71° 54′.3.
			71 58	72 00	71 59	71.	
A	East	East	72 34	72 36	72 35	71.5	Time, 9*h*. 48*m*.
			72 36	72 38	72 37	....	
			72 28	72 30	72 29	....	
		West	72 00	72 00	72 00	....	Needle makes 21 oscillations in 60 seconds of time.
			72 22	72 22	72 22	....	
			72 05	72 05	72 05	72.7	
	West	East	71 56	71 54	71 55	....	
			72 06	72 02	72 04	....	Needle No. 1 gives—
			72 04	72 00	72 02	....	With A end north ..... 72° 07′.8
		West	71 56	71 52	71 54	....	With A end south ..... 71 54 .3
			71 50	71 48	71 49	....	
			71 42	71 40	71 41	73.5	Dip by 24 observations... 72 01

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	West	West	72 02	72 02	72 02	76.	Time, 8*h.* 52*m.*; needle No. 1.
			71 54	71 56	71 55	....	
			72 02	72 00	72 01	....	
		East	72 10	72 08	72 09	....	
			72 00	72 00	72 00	....	Needle makes 21 oscillations in 60
			71 52	71 50	71 51	....	seconds of time.
	East	West	72 08	72 06	72 07	77.	
			72 16	72 14	72 15	....	
			72 08	72 08	72 08	....	
		East	72 40	72 40	72 40	....	
			72 28	72 28	72 28	....	Needle No. 1, with A end north,
			72 26	72 26	72 26	78.	gives 72° 10′.2.
B	East	East	72 12	72 12	72 12	79.	Time, 9*h.* 30*m.*
			72 10	72 10	72 10	....	
			72 20	72 20	72 20	....	
		West	72 12	72 10	72 11	....	Needle makes 21 oscillations in 61.5
			71 58	71 58	71 58	....	seconds of time.
			71 58	71 58	71 58	....	
	West	East	71 40	71 36	71 38	79.5	
			71 48	71 44	71 46	....	Needle No. 1 gives—
			71 40	71 38	71 39	....	With A end north ..... 72° 10′.2
		West	72 08	72 02	72 05	....	With A end south 71 58.3
			71 58	71 52	71 55	....	
			71 50	71 46	71 48	79.2	Dip by 24 observations... 72 04.2

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B	West	West	71 50	71 44	71 47	80.	Time, 9*h.* 27*m.*; needle No. 1.
			71 52	71 48	71 50	....	
			71 50	71 46	71 48	....	
		East	71 50	71 46	71 48	....	
			71 32	71 28	71 30	....	Needle makes 21 oscillations in 60
			71 40	71 34	71 37	....	seconds of time.
	East	West	71 48	71 48	71 48	81.	
			72 06	72 06	72 06	....	
			71 54	71 54	71 54	....	
		East	72 02	72 02	72 02	....	
			72 10	72 10	72 10	....	Needle No. 1, with A end south,
			72 16	72 18	72 17	82.	gives 71° 53′.1.
A	East	East	72 15	72 15	72 15	82.2	Time, 10*h.* 18*m.*
			72 08	72 08	72 08	....	
			72 10	72 10	72 10	....	
		West	72 00	72 00	72 00	....	Needle makes 22 oscillations in 60
			71 50	71 50	71 50	....	seconds of time.
			72 08	72 08	72 08	83.	
	West	East	71 36	71 32	71 34	....	
			71 30	71 30	71 30	....	Needle No. 1 gives—
			71 45	71 45	71 45	....	With A end north ..... 71° 54′.2
		West	71 50	71 50	71 50	....	With A end south 71 53.1
			71 50	71 50	71 50	....	
			71 50	71 50	71 50	83.6	Dip by 24 observations... 71 53.6

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	West	West	71 50	71 46	71 48	78.	Time, 9*h*. 8*m*.; needle No. 1.
			71 50	71 48	71 49	....	
			71 56	71 52	71 54	....	
		East	71 48	71 42	71 45	....	
			71 46	71 42	71 44	....	Needle makes 22 oscillations in 60
			71 52	71 48	71 50	78.	seconds of time.
	East	West	72 08	72 08	72 08	....	
			71 54	71 54	71 54	....	
			72 10	72 10	72 10	....	
		East	72 12	72 12	72 12	....	
			72 06	72 06	72 06	....	Needle No. 1, with A end south,
			72 15	72 15	72 15	78.6	gives 71° 57′.9.
A	East	East	72 30	72 30	72 30	79.	Time, 10*h*.
			71 58	71 58	71 58	....	
			72 24	72 26	72 25	....	
		West	71 50	71 52	71 51	....	Needle makes 23 oscillations in 60
			71 48	71 46	71 47	....	seconds of time.
			71 58	71 58	71 58	....	
	West	East	71 42	71 42	71 42	80.	
			71 30	71 30	71 30	....	Needle No. 1 gives—
			71 46	71 42	71 44	....	With A end north ..... 71° 49′.2
		West	71 30	71 28	71 29	....	With A end south 71 57.9
			71 26	71 22	71 24	....	
			71 32	71 32	71 32	80.	Dip by 24 observations... 71 53.5

B	West	West	71 40	71 40	71 40	70.	Time, 9*h*. 25*m*.; needle No. 1.
			71 40	71 40	71 40	....	
			71 42	71 42	71 42	....	
		East	71 52	71 48	71 50	....	
			72 00	71 58	71 59	....	Needle makes 23 oscillations in 61
			71 55	71 53	71 54	....	seconds of time.
	East	West	72 07	72 03	72 05	70.5	
			71 52	71 52	71 52	....	
			71 58	71 58	71 58	....	
		East	72 20	72 20	72 20	....	
			72 42	72 40	72 41	....	Needle No. 1, with A end south,
			72 26	72 24	72 25	71.4	gives 72° 00′.5.
A	East	East	72 36	72 36	72 36	71.7	Time, 10*h*.
			72 05	72 05	72 05	....	
			72 06	72 04	72 05	....	
		West	72 10	72 10	72 10	....	Needle makes 23 oscillations in 60
			72 00	72 00	72 00	....	seconds of time.
			72 10	72 10	72 10	....	
	West	East	71 48	71 42	71 45	72.	
			71 42	71 38	71 40	....	Needle No. 1 gives—
			71 40	71 40	71 40	....	With A end north ..... 72° 01′.4
		West	72 00	71 56	71 58	....	With A end south 72 00.5
			72 10	72 10	72 10	....	
			72 00	71 56	71 58	73.	Dip by 24 observations... 72 01

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	West	West	71 56	71 52	71 54	77.5	Time, 9*h.* 35*m.*; needle No. 1.
			72 00	71 56	71 58	....	
			72 00	71 58	71 59	....	
		East	71 38	71 34	71 36	....	
			71 30	71 28	71 29	....	Needle makes 23 oscillations in 59
			71 26	71 22	71 24	....	seconds of time.
	East	West	72 20	72 18	72 19	78.	
			72 00	72 00	72 00	....	
			72 04	72 04	72 04	....	
		East	71 54	71 52	71 53	....	
			72 02	72 02	72 02	....	Needle No. 1, with A end south,
			72 04	72 04	72 04	79.	gives 71° 53′.5.
A	East	East	72 10	72 12	72 11	79.	Time, 10*h.* 27*m.*
			72 14	72 14	72 14	....	
			72 08	72 10	72 09	....	
		West	72 30	72 30	72 30	....	Needle makes 22 oscillations in 60.5
			72 30	72 30	72 30	....	seconds of time.
			72 28	72 26	72 27	....	
	West	East	71 38	71 34	71 36	80.	
			71 36	71 34	71 35	....	Needle No. gives—
			71 38	71 34	71 36	....	With A end north ..... 72° 06′.3
		West	72 12	72 10	72 11	....	With A end south..... 71 53.5
			71 58	71 56	71 57	....	
			72 20	72 18	72 19	80.2	Dip by 24 observations... 71 59.9

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A	West	West	72 08	72 04	72 06	79.	Time, 9*h.* 35*m.*; needle No. 1.
			72 02	71 58	72 00	....	
			71 56	71 52	71 54	....	
		East	71 34	71 32	71 33	....	
			71 42	71 40	71 41	....	Needle makes 22 oscillations in 61
			71 34	71 32	71 33	79.5	seconds of time.
	East	West	72 30	72 30	72 30	....	
			72 36	72 36	72 36	....	
			72 30	72 30	72 30	....	
		East	72 05	72 05	72 05	....	
			72 04	72 04	72 04	....	Needle No. 1, with A end north,
			72 18	72 18	72 18	79.7	gives 72° 04′.2
B	East	East	72 20	72 20	72 20	82.	Time, 10*h.* 20*m.*
			72 20	72 20	72 20	....	
			72 20	72 20	72 20	....	
		West	71 46	71 46	71 46	....	Needle makes 21 oscillations in 61
			71 34	71 34	71 34	....	seconds of time.
			71 58	71 58	71 58	82.	
	West	East	71 58	71 52	71 55	....	
			71 56	71 52	71 54	....	Needle No. 1 gives—
			72 00	71 58	71 59	....	With A end north ..... 72° 04′.2
		West	71 40	71 36	71 38	....	With A end south 71 54.8
			71 40	71 36	71 38	....	
			71 38	71 32	71 35	82.5	Dip by 24 observations... 71 59.5

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	West	West	71 40	71 36	71 38	71.	Time, 9*h*. 14*m*.; needle No. 1.
			71 40	71 36	71 38	....	
			71 40	71 36	71 38	....	
		East	71 52	71 48	71 50	....	
			71 52	71 50	71 51	....	Needle makes 21 oscillations in 61
			71 50	71 48	71 49	71.5	seconds of time.
	East	West	72 06	72 02	72 04	....	
			71 50	71 50	71 50	....	
			71 50	71 50	71 50	....	
		East	72 22	72 24	72 23	....	
			72 18	72 18	72 18	....	Needle No. 1, with A end south,
			72 26	72 26	72 26	72.	gives 71° 56′.2.
A	East	East	72 20	72 20	72 20	72.	Time, 10*h*. 5*m*.
			72 15	72 15	72 15	....	
			72 20	72 20	72 20	....	
		West	72 25	72 25	72 25	....	Needle makes 22 oscillations in 61
			72 25	72 25	72 25	....	seconds of time.
			72 20	72 20	72 20	72.5	
	West	East	71 40	71 38	71 39	....	
			71 40	71 38	71 39	....	Needle No. 1 gives—
			71 40	71 38	71 38	....	With A end north ..... 72° 05′
		West	72 00	72 00	72 00	....	With A end south ..... 71 56 .2
			72 04	72 00	72 02	....	
			71 58	71 56	71 57	72.8	Dip by 24 observations... 72 00 .6

A	West	West	72 00	71 58	71 59	67.	Time, 8*h*. 44*m*.; needle No. 1.
			72 12	72 10	72 11	....	
			72 05	72 03	72 04	....	
		East	71 40	71 38	71 39	....	
			71 48	71 44	71 46	....	Needle makes 20 oscillations in 50
			71 50	71 46	71 48	67.	seconds of time.
	East	West	72 20	72 20	72 20	....	
			72 24	72 24	72 24	....	
			72 25	72 25	72 25	....	
		East	72 30	72 30	72 30	....	
			72 26	72 26	72 26	....	Needle No. 1, with A end north,
			72 28	72 28	72 28	....	gives 72° 10′.
B	East	East	72 00	72 00	72 00	68.	Time, 9*h*. 25*m*.
			72 06	72 06	72 06	....	
			72 00	72 00	72 00	....	
		West	72 10	72 06	72 08	....	Needle makes 20 oscillations in 57
			72 04	72 02	72 03	....	seconds of time.
			72 12	72 10	72 11	....	
	West	East	71 50	71 50	71 50	....	
			71 50	71 50	71 50	....	Needle No. 1 gives—
			71 56	71 56	71 56	....	With A end north ..... 72° 10′
		West	72 00	72 00	72 00	....	With A end south ..... 71 58 .7
			71 52	71 48	71 50	....	
			71 50	71 50	71 50	69.	Dip by 24 observations... 72 04 .3

End of needle pointed north	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	West	West	71 54	71 50	71 52	79.5	Time, 9*h.* 34*m.*; needle No. 1.
			71 50	71 48	71 49	....	
			71 54	71 52	71 53	....	
		East	71 40	71 34	71 37	....	
			71 50	71 48	71 49	....	
			71 48	71 44	71 46	....	Needle makes 21 oscillations in 60
	East	West	72 18	72 14	72 16	81.	seconds of time.
			72 18	72 14	72 16	....	
			72 12	72 12	72 12	....	
		East	72 06	72 04	72 05	....	
			72 00	72 00	72 00	....	Needle No. 1, with A end south,
			72 10	72 10	72 10	81.	gives 71° 58′.8.
A	East	East	72 14	72 10	72 12	82.	Time, 10*h.* 16*m.*; needle No. 1.
			72 14	72 10	72 12	....	
			72 10	72 08	72 09	....	
		West	71 56	71 56	71 56	....	Needle makes 22 oscillations in 61.5
			71 56	71 56	71 56	....	seconds of time.
			71 50	71 48	71 49	....	
	West	East	71 48	71 46	71 47	82.3	
			72 10	72 06	72 08	....	Needle No. 1 gives—
			72 02	72 00	72 01	....	With A end north ..... 71° 56′.7
		West	71 36	71 32	71 34	....	With A end south ..... 71 58 .8
			71 50	71 48	71 49	....	
			71 48	71 46	71 47	82.8	Dip by 24 observations... 71 57 .7

B	West	West	71 50	71 48	71 49	61.	Time, 9*h.* 20*m.*; needle No. 1.
			71 50	71 46	71 48	....	
			71 50	71 46	71 48	....	
		East	71 42	71 40	71 41	....	
			71 42	71 40	71 41	....	
			71 42	71 40	71 41	....	Needle makes 22 oscillations in 61
	East	West	72 02	72 00	72 01	62.	seconds of time.
			71 50	71 50	71 50	....	
			71 56	71 56	71 56	....	
		East	72 08	72 06	72 07	....	
			72 12	72 10	72 11	....	Needle No. 1, with A end south,
			72 24	72 22	72 23	64.	gives 71° 54′.6.
A	East	East	72 10	72 10	72 10	65.5	Time, 10*h.* 6*m.*; needle No. 1.
			72 34	72 34	72 34	....	
			71 54	71 54	71 54	....	
		West	72 22	72 22	72 22	....	Needle makes 21 oscillations in 60
			72 34	72 34	72 34	....	seconds of time.
			72 32	72 32	72 32	66.5	
	West	East	71 48	71 46	71 47	....	
			71 34	71 32	71 33	....	Needle No. 1 gives—
			71 32	71 38	71 35	....	With A end north ..... 72° 08′.6
		West	72 18	72 16	72 17	....	With A end south ..... 71 54 .6
			72 14	72 12	72 13	....	
			72 14	72 10	72 12	68.	Dip by 24 observations... 72 01 .6

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	West	West	72 18	72 14	72 16	55.5	Time, 9*h.* 54*m.*; needle No. 1.
			72 18	72 14	72 16	....	
			71 54	71 50	71 52	....	
		East	71 30	71 28	71 29	....	
			71 30	71 28	71 29	....	
			71 28	71 26	71 27	....	Needle makes 21 oscillations in 60
	East	West	72 42	72 40	72 41	....	seconds of time.
			72 34	72 30	72 32	....	
			72 28	72 26	72 27	....	
		East	72 30	72 28	72 29	....	
			72 16	72 16	72 16	....	Needle No. 1, with A end north,
			72 10	72 10	72 10	57.	gives 72° 07′.
B	East	East	72 02	71 58	72 00	56.7	Time, 10*h.* 30*m.*
			72 00	72 00	72 00	....	
			72 00	72 00	72 00	....	
		West	72 18	72 18	72 18	....	Needle makes 22 oscillations in 61
			72 10	72 10	72 10	....	seconds of time.
			72 10	72 10	72 10	....	
	West	East	71 32	71 36	71 34	58.	
			71 22	71 20	71 21	....	Needle No. 1 gives—
			71 20	71 14	71 17	....	With A end north ..... 72° 07′
		West	72 06	72 04	72 05	....	With A end south 71 55.4
			72 06	72 04	72 05	....	
			72 06	72 04	72 05	57.5	Dip by 24 observations... 72 01.2

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B	West	West	72 06	72 06	72 06	56.5	Time, 9*h.* 50*m.*; needle No. 1.
			72 10	72 10	72 10	....	
			72 06	72 06	72 06	....	
		East	71 38	71 36	71 37	....	
			71 40	71 38	71 39	....	
			71 14	71 10	71 12	56.8	Needle makes 21 oscillations in 58
	East	West	72 06	72 06	72 06	....	seconds of time.
			72 16	72 16	72 16	....	
			72 12	72 12	72 12	....	
		East	72 00	71 58	71 59	....	
			71 58	71 56	71 57	....	Needle No. 1, with A end south,
			71 48	71 46	71 47	....	gives 71° 55′.6.
A	East	East	72 36	72 34	72 35	59.	Time, 10*h.* 27*m.*
			72 24	72 22	72 23	....	
			72 32	72 30	72 31	....	
		West	72 16	72 12	72 14	....	Needle makes 21 oscillations in 58
			72 12	72 10	72 11	....	seconds of time.
			72 04	72 02	72 03	....	
	West	East	72 02	72 02	72 02	59.2	
			71 52	71 50	71 51	....	Needle No. 1 gives—
			72 02	72 00	72 01	....	With A end north ..... 72° 06′.4
		West	71 54	71 50	71 52	....	With A end south 71 55.6
			71 42	71 40	71 41	....	
			71 54	71 52	71 53	60.	Dip by 24 observations... 72 01

October 11.] MAGNETIC DIP. [1842.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	West	West	72 04	72 02	72 03	61.	Time, 11*h.* 4*m.*; needle No. 2.
			71 58	71 56	71 57	....	
			71 50	71 50	71 50	....	
		East	71 20	71 20	71 20	....	
			71 30	71 28	71 29	....	Needle makes 21 oscillations in 60
			71 30	71 28	71 29	61.5	seconds of time.
	East	West	72 10	72 10	72 10	....	
			72 12	72 12	72 12	....	
			72 02	72 02	72 02	....	
		East	71 52	71 52	71 52	....	
			71 54	71 54	71 54	....	Needle No. 2, with A end north,
			71 58	71 58	71 58	62.	gives 71° 51′.3.
B	East	East	72 20	72 20	72 20	62.	Time, 11*h.* 30*m.*
			72 24	72 26	72 25	....	Needle makes 22 oscillations in 62
			72 22	72 24	72 23	....	seconds of time.
		West	72 16	72 16	72 16	....	Needle No. 2 gives—
			72 10	72 10	72 10	....	With A end north ..... 71° 51′.3
			72 28	72 28	72 28	....	With A end south 72 03.2
	West	East	71 56	71 54	71 55	63.	Dip by 24 observations... 71 57.2
			71 56	71 54	71 55	....	24 observations of needles give—
			71 50	71 48	71 49	....	No. 1..... 72° 01′
		West	71 40	71 40	71 40	....	No. 2..... 71 57.2
			71 38	71 34	71 36	....	
			71 42	71 40	71 41	63.	Mean dip..... 71 59.1

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A	West	West	71 54	71 52	71 53	47.5	Time, 9*h.* 46*m.*; needle No. 1.
			71 54	71 52	71 53	....	
			72 04	72 02	72 03	....	
		East	72 00	71 58	71 59	....	
			72 00	72 00	72 00	....	Needle makes 20 oscillations in 56
			71 58	71 58	71 58	49.	seconds of time.
	East	West	72 12	72 10	72 11	....	
			72 14	72 10	72 12	....	
			72 20	72 18	72 19	....	
		East	72 30	72 28	72 29	....	
			72 40	72 40	72 40	....	Needle No. 1, with A end north,
			72 46	72 46	72 46	50.5	gives 72° 11′.9.
B	East	East	72 18	72 16	72 17	52.	Time, 10*h.* 26*m.*
			72 28	72 24	72 26	....	
			72 10	72 10	72 10	....	
		West	72 26	72 23	72 25	....	Needle mades 20 oscillations in 55
			72 20	72 20	72 20	....	seconds of time.
			72 18	72 18	72 18	54.	
	West	East	71 52	71 52	71 52	....	
			71 32	71 30	71 31	....	Needle No. 1 gives—
			71 28	71 28	71 28	....	With A end north ..... 72° 11′.9
		West	71 54	71 54	71 54	....	With A end south 72 01.5
			71 50	71 48	71 49	....	
			71 48	71 48	71 48	....	Dip by 24 observations... 72 07.2

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	West	West	71 56	71 52	71 54	42.	Time, 9*h.* 26*m.*; needle No. 1.
			71 55	71 52	71 53	....	
			71 50	71 48	71 49	....	
		East	71 38	71 34	71 36	....	
			71 26	71 20	71 23	....	Needle makes 20 oscillations in 55 seconds of time.
			71 22	71 20	71 21	42.	
	East	West	72 05	72 03	72 04	....	
			72 05	72 03	72 04	....	
			72 00	71 58	71 59	....	
		East	72 10	72 08	72 09	....	
			72 10	72 08	72 09	....	Needle No. 1, with A end south, gives 71° 52′.3.
			72 08	72 06	72 07	42.5	
A	East	East	72 10	72 10	72 10	43.	Time, 10*h.* 10*m.*
			71 54	71 52	71 53	....	
			72 12	72 10	72 11	....	
		West	72 45	72 45	72 45	....	Needle makes 20 oscillations in 55 seconds of time.
			72 40	72 38	72 39	....	
			72 50	72 50	72 50	44.	
	West	East	71 28	71 24	71 26	....	
			71 30	71 30	71 30	....	Needle No. 1 gives—
			71 34	71 32	71 33	....	With A end north ..... 72° 08′.3
		West	72 20	72 20	72 20	....	With A end south ..... 71 52 .3
			72 15	72 15	72 15	....	
			72 08	72 08	72 08	44.	Dip by 24 observations... 72 00 .3

A	West	West	72 30	72 30	72 30	27.	Time, 9*h.* 57*m.*; needle No. 1.
			72 22	72 22	72 22	....	
			72 25	72 23	72 24	....	
		East	71 32	71 32	71 32	....	
			71 32	71 32	71 32	....	Needle makes 20 oscillations in 59 seconds of time.
			71 42	71 40	71 41	27.	
	East	West	72 35	72 33	72 34	....	
			72 38	72 36	72 37	....	
			72 40	72 40	72 40	....	
		East	72 18	72 18	72 18	....	
			72 20	72 20	72 20	....	Needle No. 1, with A end north, gives 72° 13′.3.
			72 10	72 10	72 10	27.5	
B	East	East	72 08	72 06	72 07	28.5	Time, 10*h.* 29*m.*
			72 08	72 06	72 07	....	
			72 08	72 06	72 06	....	
		West	72 14	72 14	72 14	....	Needle makes 20 oscillations in 58 seconds of time.
			72 14	72 14	72 14	....	
			72 08	72 06	72 07	28.7	
	West	East	71 40	71 40	71 40	....	
			71 28	71 24	71 26	....	Needle No. 1 gives—
			71 20	71 16	71 18	....	With A end north ..... 72° 13′.3
		West	72 10	72 10	72 10	....	With A end south ..... 71 57 .1
			71 56	71 54	71 55	....	
			72 02	72 00	72 01	29.	Dip by 24 observations... 72 05 .2

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	West	West	72 00	71 56	71 58	33.5	Time, 8*h.* 55*m.*; needle No. 1.
			71 58	71 54	71 56	....	
			71 56	71 52	71 54	....	
		East	71 40	71 34	71 37	....	
			71 40	71 36	71 38	....	Needle makes 20 oscillations in 57 seconds of time.
			71 32	71 28	71 30	....	
	East	West	72 05	72 03	72 04	34.2	
			72 06	72 04	72 05	....	
			72 06	72 04	72 05	....	
		East	72 10	72 08	72 09	....	
			72 08	72 06	72 07	....	Needle No. 1, with A end south, gives 71° 55′.3.
			72 02	72 00	72 01	35.	
A	East	East	72 25	72 23	72 24	35.	Time, 9*h.* 37*m.*
			72 25	72 23	72 24	....	
			72 40	72 38	72 39	....	
		West	72 40	72 40	72 40	....	Needle makes 20 oscillations in 56 seconds of time.
			72 22	72 20	72 21	....	
			72 18	72 16	72 17	....	
	West	East	71 50	71 48	71 49	35.5	
			71 50	71 48	71 49	....	Needle No. 1 gives—
			71 38	71 34	71 36	....	With A end north..... 72° 08′.2
		West	71 50	71 50	71 50	....	With A end south..... 71 55 .3
			71 58	71 54	71 56	....	
			71 54	71 52	71 53	36.	Dip by 24 observations... 72 01 .5

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

ORDINARY METEOROLOGICAL OBSERVATIONS,

FROM JANUARY TO JUNE, 1842.

GENERAL NOTES.

The following alterations occur in the instruments and records of this year, as compared with those of the last.

A barometer of the construction of F. R. Hassler, Superintendent of the Coast Survey, was placed by the side of the observatory standard, the cisterns being nearly on the same level. The tube of this barometer is nine-sixteenths of an inch in diameter. The scale is attached to a steel rod. This is recorded as barometer No. 2. It was removed in September.

The record of the motion of the different strata of clouds was quite defective, chiefly from the time which it occupied interfering with the other observations. It was not insisted on, in consequence, and is found only occasionally in the following tables.

The rain gauge is on the roof of the observatory, twenty-four feet one inch above the level of the cistern of the barometer, and thirty feet above the ground.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
1	0	16.8	765.35	30.048	59.7	30.134	30.051	....	35.4	31.3	.152	68.8	140	3.0	..	.7	Cu., Ci-cu., *NW.*
	1	17.6	766.15	30.076	60.8	30.162	30.075	....	34.2	31.	.160	68.9	117	.2	..	.1	Ci-s. at Hor.
	2	17.5	766.85	30.104	61.1	30.164	30.077	....	34.3	31.8	.173	67.9	106	1.0	..	.3	Cu., Ci-s., *NW.*
	3	15.3	766.55	30.103	58.9	30.156	30.074	....	33.6	29.5	.140	69.2	82	.2	..	.3	Ci-s., Ci-cu., *NW.*
	4	15.1	766.65	30.108	57.6	30.164	30.087	....	33.6	29.9	.147	70.	91	..	..	.8	Ci-s., Ci-cu., *NW.*
	5	15.4	767 00	30.120	57.3	30.178	30.101	....	34.1	29.6	.137	66.8	107	..	..	1.0	Ci-s., Ci cu., N., *W.* by *N.*
	6	16.6	768.00	30.153	58.4	30.224	30.144	....	34.1	29.9	.142	67.	117	..	..	1.0	Ci-s., Ci-cu., Cu., *NW.*
	7	17.1	768.45	30.170	59.5	30.236	30.153	....	32.8	29.6	.151	69.	110	..	..	.7	Ci-s., Ci-cu., Cu.
	8	18.	768.45	30.164	60.9	30.236	30.149	53.	32.6	29.8	.156	72.	50	..	..	..	Clear.
	9	18.5	768.55	30.165	62.5	30.250	30.159	60.8	34.4	32.	.172	77.	25	..	..	..	A little Ci. in *SW.*
	10	18.3	768.10	30.148	62.9	30.222	30.129	....	36.3	33.	.169	75.	45	.1	..	..	Clear.
	11	17.7	767.10	30.112	62.	30.184	30.094	58.8	38.	33.4	.158	72.	49	.3	..	..	Clear.
	12	17.2	765.55	30.053	60.	30.120	30.035	61.8	39.	35.3	.182	71.2	40	1.0	..	..	A few Ci-cu.
	13	17.9	765.50	30.049	60.9	30.119	30.032	....	39.	35.4	.184	72.	50	1.7	..	..	A few Ci-cu.
	14	18.6	765.35	30.039	62.9	30.102	30.009	....	39.9	36.	.186	69.	55	1.7	..	..	A few Ci-cu.
	15	20.	765.35	30.032	65.	30.106	30.008	....	40.4	36.5	.190	71.3	48	1.5	..	..	Clear.
	16	20.	765.35	30.032	66.	30.106	30.005	....	38.5	36.	.202	73.	50	1.2	..	..	Clear.
	17	19.2	764.50	30.003	65.	30.080	29.982	....	38.5	35.5	.192	75.	50	.2	..	..	Ci-s.
	18	19.	764.30	29.996	64.7	30.068	29.970	....	36.5	34.5	.195	77.	45	..	..	..	Clear.
	19	17.3	763.50	29.972	63.	30.040	29.947	....	35.5	34.	.197	79.3	42	.6	..	..	Clear.
	20	16.3	763.30	29.969	61.8	30.024	29.934	....	35.	33.	.185	81.	40	..	..	..	Clear.
	21	14.9	762.25	29.934	59.1	29.984	29.902	....	34.5	32.5	.181	83.	45	..	..	..	Clear.
	22	13.2	761.45	29.911	56.4	29.950	29.875	....	34.	33.	.196	84.	45	1.0	..	..	Clear.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	45	1.1	..	..	Clear.

Observed dew point: 3*h.*, 29°.4; 9*h.*, 27°.3; 15*h.*, 27°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
3	0	10.7	753.55	29.614	50.1	29.656	29.599	....	34.7	31.1	.157	74.3	168	1.0	..	1.0	Ci-s., N., very dark.
	1	9.5	754.45	29.656	48.8	29.706	29.652	....	30.6	28.	.147	72.1	166	1.0	..	1.0	Ci-s., N., very dark.
	2	8.9	756.15	29.724	47.5	29.750	29.700	....	27.	24.5	.127	71.8	160	1.6	..	1.0	Ci-s., Ci-cu., N.
	3	6.9	757.10	29.772	45.2	29.814	29.770	....	24.	22.5	.127	71.5	145	1.6	..	1.0	Cu., Ci-cu., Ci-s., *NW.*
	4	5 6	758.60	29.837	42.8	29.860	29.821	....	22.3	20.5	.114	71.	180	1.8	..	.3	Ci-cu., Ci-s., *W.*
	5	4.3	760.00	29.898	40.5	29.916	29.884	....	19.2	16.	.080	59.	161	1.2	..	..	A few Ci-s.
	6	5.5	761.00	29.931	40.	29.968	29.937	....	18.	15.	.077	60.9	146	1.9	..	..	Clear.
	7	9.4	762.65	29.977	43.3	30.022	29.982	....	17.4	15.3	.088	60.9	141	1.5	..	..	Clear.
	8	11.8	764.25	30.029	48.5	30.080	30.026	....	18.8	16.4	.089	61.8	138	.4	..	..	Clear.
	9	13.6	764.75	30.040	51.9	30.092	30.029	....	18.5	16.4	.092	62.2	150	.1	..	..	Clear.
	10	14.7	765.00	30.044	54.1	30.100	30.032	....	19.5	17.7	.101	63.	140	.8	..	..	Clear.
	11	14.5	762.20	30.053	56.	30.108	30.034	....	20.5	18.	.095	63.3	140	.5	..	..	Clear.
	12	14.6	764.75	30.036	56.1	30.084	30.010	....	22.2	20.2	.110	61.7	132	..	..	..	A few Ci-cu.
	13	17.4	765.00	30.030	58.6	30.100	30.020	....	22.7	21.4	.123	62.	115	..	..	.3	A few Ci-cu.
	14	19.	765.25	30.033	62.	30.104	30.014	44.8	24.	22.5	.127	61.5	120	..	..	.2	A few Cu.
	15	19.6	765.70	30.048	63.9	30.138	30.043	....	25.	23.	.124	61.	90	..	..	..	Clear.
	16	20.	765.70	30.046	64.7	30.122	30.024	....	24.5	23.	.129	61.2	110	..	..	..	Clear.
	17	19.5	766.15	30.067	64.9	30.148	30.050	....	22.9	21.7	.126	62.9	105	..	..	..	Clear.
	18	18.9	765.90	30.059	63.7	30.120	30.026	....	23.5	22.	.124	63.7	103	..	..	.4	Ci-s., S.
	19	19.1	766.20	30.070	63.6	30.136	30.042	19.8	23.6	21.3	.114	66.	65	..	..	..	A few Ci-s.
	20	18.2	765.75	30.056	63.3	30.119	30.025	22.	23.7	21.4	.113	66.1	10	..	..	..	Clear.
	21	17.3	765.00	30.031	61.7	30.080	29.991	23.	24.	22.	.119	67.5	330	..	..	..	A few Ci-s. in *W.*
	22	14.	764.35	30.022	59.	30.080	29.998	22.2	23.6	19.5	.087	67.3	348	.9	..	.1	Ci-s.
	23	16.4	764.10	30.001	59.1	30.050	29.968	22.7	23.7	21.4	.113	67.2	345	1.0	..	..	Clear.

Observed dew point: *3h.*, 19°.8.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
4	0	17.7	764.00	29.991	60.9	30.040	29.953	33.	26.4	25.	.141	69.	339	.6	..	.9	Very dark, N.
	1	19.3	763.15	29.949	63.7	30.000	29.906	24.9	26.	24.3	.134	71.3	346	.1	..	1.0	Very dark, N.
	2	19.4	762.60	29.927	64.5	29.976	29.880	....	26.7	25.4	.144	74.2	5	..	..	1.0	N., snowing.
	3	17.9	760.15	29.839	63.1	29.918	29.825	....	27.7	26.5	.152	84.	349	..	..	1.0	N., snowing.
	4	18.8	759.10	29.791	63.2	29.862	29.769	....	28.6	27.4	.157	83.8	317	..	..	1.0	N.
	5	19.2	758.25	29.757	64.	29.818	29.723	....	30.4	29.	.165	84.3	20	..	..	1.0	Ci s., N.
	6	18.8	757.60	29.733	63.8	29.806	29.711	....	33.8	31.7	.176	84.4	27	..	..	1.0	Very dark, N.
	7	18.4	757.50	29.732	63.6	29.790	29.696	....	33.9	32.1	.180	84.2	45	1.5	..	1.0	Ci s., N.
	8	19.7	757.60	29.730	65.	29.800	29.702	....	33.6	32.1	.183	84.3	37	..	..	1.0	S., Ci-s., Ci-cu.
	9	20.1	757.30	29.716	66.3	29.786	29.604	....	34.4	31.8	.172	84.5	50	..	..	1.0	Cu., S., N.
	10	20.	757.40	29.720	66.3	29.788	29.686	....	36.6	33.	.180	83.1	45	.1	..	.1	A few Cu.
	11	20.	757.25	29.714	66.1	29.784	29.683	....	38.	34.8	.179	80.	40	.1	..	.8	Cu.
	12	16.3	755.75	29.673	64.9	29.714	29.616	....	40.5	37.3	.204	77.2	40	..	..	.8	Cu., Ci-cu.
	13	20.5	755.80	29.654	66.	29.716	29.615	....	41.5	38.5	.217	77.5	42	..	..	1.0	Cu., Ci-cu.
	14	20.8	755.95	29.660	67.7	29.728	29.624	....	41.	38.	.212	76.5	40	..	..	1.0	Cu., Ci-cu.
	15	20.	756.60	29.688	67.1	29.750	29.648	....	40.3	38.	.220	79.	45	..	..	1.0	Cu., Ci-cu.
	16	20.5	757.35	29.715	67.3	29.800	29.697	....	39.5	37.	.210	79.	42	1.0	..	1.0	Cu., Ci-cu.
	17	21.3	758.45	29.735	68.	29.840	29.734	....	38.	36.5	.217	81.	40	..	..	1.0	Cu., Ci-cu., *SSW.*
	18	21.8	758.80	29.767	69.	29.862	29.753	....	38.	37.	.227	83.	30	..	..	..	A few Ci-cu.
	19	22.1	760.00	29.813	69.3	29.916	29.807	....	35.6	34.1	.198	86.	30	..	..	.1	Ci-cu. in *N.*
	20	21.3	761.00	29.855	68.8	29.940	29.831	....	35.5	34.	.197	86.	52	..	..	.1	Ci-cu. in *W.*
	21	20.3	762.25	29.909	67.5	30.000	29.896	....	37.5	33.8	.172	75.	125	.8	..	.1	Ci-cu. in *W.*
	22	18.5	763.00	29.946	64.6	30.062	29.966	....	33.5	29.6	.143	64.3	131	1.7	..	..	Clear.
	23	18.2	764.00	29.987	61.4	30.038	29.950	....	30.5	31.4	.174	65.	120	..	..	..	Clear.

Observed dew point: 3*h.*, 22°.3; 9*h.*, 27°.5; 15*h.*, 35°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
5	0	17.3	764.50	30.012	61.	30.094	30.007	28.1	30.	28.1	.154	65.7	110	..	..	..	Clear.
	1	17.4	765.50	30.050	61.2	30.118	30.031	26.6	27.8	25.4	.133	69.	127	1.6	..	..	Clear.
	2	18.5	766.30	30.077	62.5	30.150	30.059	25.	27.1	23.4	.108	70.6	119	..	..	..	Clear.
	3	18.5	767.45	30.122	63.2	30.200	30.107	24.	26.5	24.2	.128	72.	110	..	..	..	Clear.
	4	17.3	767.50	30.130	62.1	30.204	30.114	23.5	25.7	23.	.117	73.	115	..	..	..	A few Ci-s. in *S.*
	5	17.	768.00	30.152	61.1	30.216	30.129	23.	25.2	23.	.122	74.	115	..	..	..	A few Ci s. in *S.*
	6	16.8	768.50	30.173	60.3	30.235	30.149	22.3	24.5	22.3	.119	74.3	110	..	..	..	A few Ci-s. in *S.*
	7	16.5	769.90	30.229	59.7	30.302	30.218	22.7	24.4	21.7	.111	74.	120	..	..	.4	Ci., Ci-cu., Ci-s., *W.*
	8	17.1	771.25	30.277	60.3	30.358	30.271	....	25.1	22.5	.116	73.5	140	..	..	.4	Ci. Cu.
	9	17.5	772.00	30.305	61.2	30.383	30.294	52.	25.5	22.5	.112	73.	140	..	..	..	Clear.
	10	17.3	772.55	30.327	61.4	30.406	30.316	62.	26.6	23.6	.117	72.5	135	.6	..	.3	Ci-cu., *W.* by *N.*
	11	16.9	772.50	30.328	60.8	30.406	30.317	....	28.	24.1	.110	71.5	135	.1	..	.7	Ci-cu., *W.* by *N.*
	12	16.8	772.10	30.312	60.	30.385	30.299	....	29.1	25.1	.114	71.	140	.1	..	.9	Ci-cu., *W.*
	13	18.	772.25	30.312	61.2	30.388	30.299	....	29.1	25.1	.114	70.3	140	..	..	1.0	Ci-cu., *W.*
	14	18.1	772.80	30.334	62.8	30.415	30.322	....	30.1	25.6	.112	67.5	140	..	..	1.0	Ci-cu., *W.*
	15	17.5	773.00	30.345	62.	30.428	30.337	....	30.	25.5	.112	67.3	135	..	..	1.0	Ci-cu., *W.*
	16	17.5	773.70	30.373	61.5	30.454	30.364	....	29.8	25.6	.115	68.	140	..	..	.9	Ci-cu., *W.*
	17	17.5	774.70	30.412	61.3	30.486	30.396	....	29.2	26.	.129	70.	117	..	..	1.0	Ci-cu., *W.*
	18	17.7	774.75	30.412	61.8	30.476	30.386	....	28.3	25.8	.135	70.5	117	..	..	1.0	Ci-cu., *W.*
	19	16.8	775.60	30.452	61.3	30.506	30.416	....	28.3	26.8	.150	72.	117	..	..	..	Clear.
	20	15.9	775.60	30.456	59.6	30.506	30.422	....	26.7	24.5	.129	72.	117	..	..	..	Clear.
	21	15.8	775.75	30.462	57.8	30.522	30.441	....	25.8	24.	.131	74.	117	..	..	..	Clear.
	22	14.9	776.15	30.481	56.8	30.528	30.450	25.	24.6	22.5	.121	75.	230	..	..	..	Clear.
	23	15.6	776.50	30.492	57.	30.550	30.472	22.6	24.4	22.	.117	75.2	257	..	..	..	Clear.

Observed dew point: 3*h.*, 24°; 9*h.*, 11°; 15*h.*, 11°.5; 21*h.*, 19°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
6	0	16.	776.50	30.490	58.2	30.546	30.465	21.3	23.	20.7	.109	74.8	252	.1	..	..	Clear.
	1	15.8	776.70	30.499	58.2	30.554	30.473	21.	22.	19.7	.104	74.2	255	..	..	..	Clear.
	2	15.2	777.10	30.517	57.6	30.562	30.483	19.1	20.5	18.6	.104	73.9	255	..	..	..	Clear.
	3	13.5	776.65	30.508	55.8	30.550	30.475	18.0	19.7	18.2	.106	74.2	257	..	..	..	Clear.
	4	13.7	776.55	30.504	55.	30.536	30.464	17.6	19.6	18.	.104	75.	264	..	..	..	Clear.
	5	14.5	775.90	30.474	55.7	30.524	30.451	17.2	19.2	17.5	.101	76.	264	..	..	..	Clear.
	6	14.	775.70	30.468	55.7	30.524	30.451	18.	19.	17.6	.104	76.5	250	..	..	..	Clear.
	7	13.2	776.15	30.489	54.7	30.540	30.469	18.7	19.6	18.4	.110	78.	240	..	..	.8	Ci-cu., Ci-s.
	8	12.7	776.40	30.502	53.6	30.534	30.466	....	20.5	19.	.110	77.5	253	..	..	1.0	Ci-cu., Ci s., *SW.*
	9	12.8	776.00	30.486	53.	30.540	30.473	....	22.1	21.	.123	78.	255	..	..	1.0	Ci-cu., Ci-s.
	10	13.9	774.65	30.427	54.2	30.500	30.430	....	23 8	22.3	.126	79.	264	..	..	1.0	Ci-cu., Cu., *SSW.*
	11	15.	773.30	30.369	55.3	30.428	30.355	....	29.	27.	.147	78.	290	..	..	1.0	Ci-cu., Ci-s., N., *S.*
	12	16.	772.50	30.331	57.5	30.400	30.321	....	32.6	30.6	.170	78.	300	..	..	1.0	Ci-cu., Ci-s., N., *S.*
	13	16.8	771.60	30.294	59.	30.360	30.278	....	35.5	32.1	.161	78.5	350	..	..	1.0	Ci-s., N., *S.*
	14	17.	770.30	30.241	60.	30.312	30.226	....	36.6	33.4	.174	79.3	310	.3	..	1.0	Ci s., N., *S.*
	15	16.3	769.50	30.213	60.	30.272	30.186	....	36.8	34.3	.188	81.	320	.8	..	1.0	Ci-s., *S.*
	16	16.	768.80	30.189	59.	30.250	30.167	....	37.5	35.	.194	82.	310	..	..	1.0	Ci-s., N., *S.*
	17	16.5	767.70	30.143	58.9	30.200	30.118	....	36.2	34.5	.199	84.5	301	..	..	1.0	N.
	18	17.3	767.00	30.110	60.	30.180	30.095	....	36.8	35.5	.211	88.	305	..	..	1.0	N.
	19	17.	765.20	30.041	60.5	30.108	30.022	....	37.7.	37.	.230	92.	335	..	.04	1.0	S., N., rain.
	20	17.	763.80	29.986	60.5	30.048	29.962	....	38.5	38.	.240	92.	315	..	.07	1.0	S., N., rain.
	21	17.7	762.65	29.937	60.8	30.000	29.913	....	38.5	38.	.240	95.	345	..	.10	1.0	S., N., rain.
	22	17.4	761.00	29.873	61.6	29.950	29.862	....	41.5	40.8	.264	93.9	33	..	.10	1.0	N., rain.
	23	17.	759.85	29.831	60.9	29.900	29.813	....	41.	40.5	.263	93.4	45	.2	.04	1 0	N., rain.

Observed dew point: 3*h.*, 18°; 9*h.*, 14°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
7	0	19.	758.75	29.778	62.7	29.860	29.770	....	40.5	39.9	.256	93.2	45	.1	.03	1.0	Ci-s., S., N.
	1	19.5	758.15	29.752	63.7	29.820	29.727	....	40.6	39.9	.255	92.4	53	.2	.01	1.0	Very dark.
	2	19.9	757.35	29.718	65.7	29.808	29.709	....	40.6	39.8	.254	92.	55	.2	.01	1.0	Very dark.
	3	18.2	756.15	29.678	64.5	29.728	29.633	....	42.	41.	.264	91.5	6	1.0	.01	1.0	N., raining.
	4	17.5	755.00	29.639	62.8	29.714	29.623	....	41.2	40.2	.256	86.3	55	1.5	.03	1.0	N., raining.
	5	18.2	754.85	29.630	62.8	29.644	29.553	....	41.	39.9	.252	86.5	41	1.9	.05	1.0	N., rain, very dark.
	6	19.2	754.85	29.626	64.2	29.700	29.606	....	41.3	40.	.251	86.5	39	1.4	.01	1.0	N., rain, very dark.
	7	19.6	755.85	29.661	65.	29.744	29.648	....	41.	39.8	.251	86.5	51	.2	.01	1.0	N., rain, very dark.
	8	19.6	755.95	29.665	65.5	29.744	29.647	....	40.2	39.4	.251	90.5	54	..	..	1.0	N., rain, very dark.
	9	19.	756.90	29.705	64.7	29.790	29.694	....	40.6	39.6	.250	91.	65	..	..	1.0	N., rain, very dark.
	10	20.	756.60	29.688	65.	29.774	29.676	....	41.2	40.2	.255	91.	55	..	.04	1.0	N., Ci s., *WSW.*
	11	20.3	756.65	29.689	66.	29.780	29.680	....	41.4	40.4	.257	90.5	65	..	..	1.0	N., Ci-s., *WSW.*
	12	20.3	756.00	29.663	66.3	29.754	29.653	....	41.6	40.5	.257	89.5	75	..	..	1.0	Ci-cu., Ci-s., N., *W.*
	13	20.1	756.10	29.668	66.3	29.758	29.657	....	41.8	40.6	.257	89.7	70	..	..	1.0	Ci-s., N., slight rain.
	14	19.2	756.90	29.704	65.8	29.804	29.706	....	41.5	40.3	.254	89.3	70	..	.01	1.0	N., rain.
	15	19.5	757.85	29.741	65.3	29.830	29.733	....	41.4	40.	.249	89.	50	..	.02	1.0	N., rain.
	16	19.2	758.40	29.763	65.	29.860	29.762	....	40.1	39.1	.245	89.5	50	..	.02	1.0	N., rain.
	17	19.7	758.80	29.777	64.7	29.868	29.772	....	39.5	38.3	.236	89.3	50	..	.01	1.0	N., rain.
	18	19.8	759.80	29.816	65.2	29.900	29.801	....	39.3	38.2	.236	90.	50	..	..	1.0	N.
	19	19.8	760.90	29.860	65.	29.940	29.841	....	38.5	37.5	.231	90.	45	..	..	1.0	N.
	20	19.1	761.60	29.889	64.7	29.970	29.873	....	38.	37.	.226	90.	75	..	..	1.0	N.
	21	19.6	762.50	29.932	64.9	29.984	29.886	....	39.	37.	.215	80.	90	..	..	1.0	N.
	22	19.4	763.00	29.942	65.	30.026	29.928	....	38.6	37.	.220	77.2	120	..	..	1.0	N.
	23	19.1	763.85	29.977	64.3	30.072	29.976	....	38.1	34.9	.185	76.7	149	..	..	1.0	N.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
8	0	19.7	764.35	29.995	65.	30.076	29.978	....	37.1	34.1	.181	76.8	176	..	..	1.0	N., Ci-s.
	1	19.7	764.70	30.009	65.	30.090	29.992	....	36.6	33.2	.169	75.	176	..	..	1.0	N., Ci-s.
	2	19.8	765.15	30.026	65.3	30.126	30.027	....	35.6	32.1	.160	74.9	185	..	..	.7	N., Ci-s.
	3	19.	765.75	30.053	64.7	30.108	30.012	....	34.	31.4	.169	76.2	185	..	..	.4	N., Ci-s.
	4	18.8	765.60	30.047	64.	30.128	30.033	33.8	32.	31.3	.188	75.6	185	..	..	.3	Ci-s.
	5	19.8	766.00	30.060	64.5	30.138	30.042	30.2	32.2	31.2	.184	75.5	185	..	..	.4	Ci-s.
	6	20.	766.60	30.082	65.3	30.162	30.063	....	31.5	29.	.154	75.5	245	..	..	1.0	S., Ci-s.
	7	18.5	767.00	30.104	64.	30.200	30.105	....	30.5	27.8	.145	76.5	245	..	..	1.0	Ci., Ci-s.
	8	17.8	767.40	30.124	63.	30.198	30.105	....	30.7	27.7	.141	76.	245	..	..	1.0	Ci-cu., Ci., *W.*
	9	18.	767.60	30.131	62.3	30.218	30.128	....	31.5	28.5	.146	76.	245	..	..	1.0	Ci-cu., Ci., *W.*
	10	19.	768.30	30.153	63.	30.240	30.147	....	32.	29.	.149	76.	240	..	..	1.0	Ci-cu., Ci-s., *W.*
	11	20.6	767.50	30.114	65.5	30.210	30.111	....	33.5	31.	.167	79.	245	..	..	1.0	Ci-cu., Ci-s., *W.*
	12	21.6	767.00	30.089	67.5	30.170	30.066	....	34.	31.5	.171	79.	245	..	..	1.0	Ci-cu., Ci-s., *W.*
	13	22.	766.50	30.069	69.5	30.154	30.044	....	34.5	32.3	.175	81.	240	..	..	1.0	Ci-cu., Ci-s., *W.*
	14	22.2	765.80	30.041	70.	30.130	30.019	....	35.	32.8	.180	82.	250	..	..	1.0	Ci-cu., Ci-s., *W.*
	15	23.2	765.50	30.022	71.5	30.128	30.017	....	36.	34.	.191	83.2	250	..	..	1.0	Ci-cu., Ci-s., *W.*
	16	23.4	765.00	30.002	71.3	30.100	29.985	....	37.5	35.	.194	83.2	250	..	..	1.0	Ci-cu., Ci-s., *W.*
	17	21.8	764.70	29.999	70.3	30.083	29.971	....	36.5	34.5	.195	85.2	250	..	..	1.0	Ci-s.
	18	21.	764.75	30.003	69.	30.085	29.976	....	36.5	34.4	.193	86.	220	..	..	1.0	Ci-s.
	19	20.2	763.85	29.972	67.3	30.073	29.969	....	35.1	34.1	.204	90.	245	..	..	1.0	N., raining.
	20	19.7	762.85	29.936	66.	30.028	29.927	....	35.	34.5	.212	90.	245	..	.03	1.0	N., slight rain.
	21	19.	762.90	29.941	64.8	30.030	29.933	....	35.1	34.7	.214	92.	245	..	.02	1.0	N., slight rain.
	22	18.	762.15	29.916	63.	30.004	29.911	....	35.2	35.	.220	92.5	245	..	.01	1.0	N., slight rain.
	23	17.	761.35	29.890	61.8	29.972	29.883	....	35.5	35.1	.217	92.5	245	..	.01	1.0	N., slight rain.

Observed dew point: 3*h.*, 23°; 9*h.*, 22°; 15*h.*, 31°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
10	0	21.3	769.75	30.198	67.2	30.204	30.199	....	38.6	35.5	.191	80.	257	..	..	1.0	Ci-s., N.
	1	22.	770.00	30.205	68.2	30.206	30.098	....	38.2	35.1	.187	79.6	244	..	..	1.0	Ci-s., Ci-cu., N.
	2	22.8	770.65	30.226	69.4	30.332	30.221	....	38.	34.6	.179	77.9	252	..	..	1.0	Ci-s., Ci-cu., N.
	3	23.8	770.10	30.198	71.5	30.300	30.183	....	37.6	34.	.173	77.8	254	..	..	1.0	N., very dark.
	4	24.6	770.10	30.185	73.	30.300	30.179	....	37.8	34.4	.178	77.9	239	..	..	1.0	Very dark, no stars visible.
	5	24.8	770.00	30.191	73.9	30.300	30.176	....	37.3	34.1	.179	77.7	222	..	..	1.0	N.
	6	24.6	769.70	30.180	74.3	30.280	30.155	....	36.6	34.	.184	80.9	229	..	.02	1.0	N.
	7	24.1	769.55	30.176	73.8	30.226	30.102	....	35.5	33.5	.187	84.	240	..	.02	1.0	N., Ci s.
	8	23.1	769.75	30.190	72.2	30.288	30.169	....	34.6	32.4	.177	91.6	246	..	.03	1.0	N., S.
	9	23.1	770.00	30.199	72.	30.310	30.191	....	34.9	34.	.204	91.3	228	..	.04	1.0	N.
	10	22.7	768.80	30.156	71.3	30.256	30.140	....	34.4	33.5	.200	92.3	270	..	.01	1.0	N., slight rain.
	11	22.	767.50	30.108	70.2	30.204	30.092	....	34.5	33.7	.203	92.7	260	..	..	1.0	N.
	12	22.	767.10	30.092	69.8	30.188	30.077	....	35.	34.2	.206	92.	260	..	.01	1.0	N.
	13	22.	767.20	30.096	70.	30.200	30.089	....	34.	33.5	.204	92.5	215	..	.03	1.0	N., snowing fast.
	14	23.	767.40	30.099	71.3	30.208	30.093	....	34.5	34.	.208	92.5	215	..	.04	1.0	N., snowing fast.
	15	22.8	768.00	30.124	71.4	30.222	30.107	....	34.5	33.7	.203	92.	210	..	..	1.0	N.
	16	22.6	767.80	30.117	71.	30.220	30.106	....	34.1	33.6	.205	92.5	200	..	.01	1.0	N., snowing fast.
	17	22.2	769.00	30.163	70.8	30.250	30.135	....	34.2	33.5	.202	92.	205	..	..	1.0	N., snow.
	18	22.7	769.15	30.168	70.7	30.257	30.142	....	34.8	34.	.205	90.2	205	..	..	1.0	N.
	19	23.	769.45	30.181	71.5	30.280	30.164	....	35.	34.	.203	90.	222	..	..	1.0	N.
	20	23.	769.90	30.197	72.	30.290	30.172	....	34.8	33.5	.196	89.	222	..	..	1.0	N.
	21	22.6	769.95	30.200	71.5	30.299	30.183	....	33.5	32.5	.193	90.	221	..	..	.1	A few Ci cu.
	22	23.3	769.50	30.178	71.4	30.280	30.163	....	32.5	30.1	.162	91.2	223	..	..	..	Clear.
	23	24.4	769.65	30.179	72.8	30.288	30.167	....	32.4	30.8	.175	91.1	196	..	..	..	Clear.

Observed dew point: 3*h*., 29°.6.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
11	0	23.8	769.75	30.187	73.1	30.296	30.175	....	32.3	31.2	.183	91.	196	..	..	..	Clear.
	1	23.	769.25	30.170	72.2	30.270	30.151	....	32.4	31.1	.180	89.9	197	..	..	.3	Ci-s., N., snow.
	2	22.1	769.80	30.195	71.	30.294	30.178	....	32.	30.8	.179	89.4	196	..	..	.3	Ci-s., S.
	3	20.1	770.00	30.213	68.	30.300	30.192	....	31.9	30.7	.178	89.2	196	..	..	.4	N., S.
	4	21.	768.15	30.136	67.5	30.230	30.126	....	31.7	30.5	.177	89.	201	..	..	.8	Ci-s., N., Ci-cu., dark.
	5	22.	768 00	30.126	68.5	30.216	30.109	....	32.6	31.3	.181	86.8	224	..	..	1.0	Very dark.
	6	23.	768.15	30.128	70.5	30.225	30.112	....	33.5	31.	.167	87.2	240	..	..	1.0	N., Ci-s.
	7	23.	767.75	30.114	71.	30.194	30.079	....	33.5	31.4	.173	89.	270	..	..	1.0	N., Ci s.
	8	22.5	768.00	30.125	71.	30.210	30.095	....	32.3	31.	.179	88.	270	..	..	1.0	N., Ci-s.
	9	22.	768 15	30.133	70.1	30.226	30.114	....	32.3	31.5	.187	90.5	245	..	..	1.0	N., snowing.
	10	23.	767.75	30.114	71.	30.206	30.091	....	32.9	31.9	.188	90.5	220	..	.04	1.0	N., snowing.
	11	23.5	767.00	30.081	72.	30.184	30 067	....	34.	33.	.196	89.	220	..	.02	1.0	N., snowing.
	12	24.	765.00	29.999	72.4	30.104	29.986	....	34.6	33.6	.200	88.7	225	..	..	1.0	N., snowing.
	13	23.2	764.10	29.968	72.	30.070	29.953	....	34.6	33.5	.198	88.3	220	..	..	1.0	N., snowing.
	14	24.	763.20	29.928	73.	30.036	29.917	....	35.5	34.	.197	87.	220	..	.01	1.0	N.
	15	23.7	762.80	29.915	72.8	30.023	29.904	....	35.5	34.2	.200	87.	220	..	..	1.0	N.
	16	22.	762.50	29.911	71.3	30.008	29.893	....	35.	34.	.203	87.3	220	..	..	1.0	N.
	17	22.5	762.10	29.892	70.7	29.990	29.877	....	34.	33.	.196	90.	220	..	..	1.0	N.
	18	22.	762.15	29.847	70.	29.990	29.879	....	34.4	33.	.192	89.	168	..	..	1.0	N.
	19	21.8	762.15	29.898	69.3	29.980	29.871	....	33.7	32.8	.195	91.	27	..	..	.9	N.
	20	21.5	762.00	29.894	69.	29.985	29.876	....	33.8	33.	.198	92.	30	..	..	.9	N.
	21	21.2	761.80	29.888	68.5	29.982	29.875	....	34.4	33.9	.208	92.	50	..	..	1.0	N.
	22	21.8	761.60	29.877	69.	29.960	29.851	....	35.	33.5	.193	89.	50	..	..	.9	Ci-cu., Ci-s.
	23	22.	761.20	29.860	69.7	29.940	29.830	....	35.	33.5	.193	89.2	50	..	..	1.0	N., Ci-s.

Observed dew point: 3*h*., 27°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
12	0	20.8	760.15	29.825	68.5	29.910	29.803	....	34.5	33.5	.199	90.2	45	.1	..	1.0	N.
	1	19.9	760.00	29.822	67.2	29.900	29.797	....	34.2	33.	.194	90.	65	..	..	.9	N.
	2	19.6	760.25	29.834	65.8	29.912	29.817	....	33.7	32.5	.189	90.	65	.8	..	1.0	N.
	3	19.5	760.30	29.837	65.5	29.904	29.805	....	33.7	32.5	.189	89.3	55	..	..	1.0	N.
	4	20.3	760.00	29.821	66.	29.910	29.809	....	31.3	30.8	.181	90.8	57	..	..	1 0	N.
	5	21.2	760.05	29.819	67.	29.910	29.807	....	31.1	30.	.175	90.6	65	..	..	..	Clear.
	6	22.2	760.70	29.841	68.	29.930	29.824	28.3	28.7	28.	.166	89.2	49	..	..	..	Clear.
	7	19.5	760.80	29.856	66.6	29.930	29.828	26.	28.2	27.7	.166	90.	69	..	..	.4	Ci., Cu.
	8	19.4	760.95	29.863	65.	29.932	29.834	....	29.5	28.5	.166	90.7	55	..	..	.3	Ci-cu.
	9	20.7	761.30	29.870	66.	29.960	29.859	....	33.5	31.7	.179	86.3	55	..	..	.6	Cu., Ci-cu., *W.*
	10	21.	761.20	29.865	67.	29.960	29.857	....	34.4	32.6	.184	85.5	55	..	..	.7	Ci , Cu., Ci-cu., *W.* by *N.*
	11	21.3	760.50	29.836	68.	29.928	29.822	....	36.3	34.	.188	83.7	40	..	..	.9	Ci., Cu., Ci-cu., *W.*
	12	19.	759.00	29.787	68.	29.866	29.760	....	38.7	35.	.180	76.	75	..	..	.8	Ci., Cu., Ci-cu., *W.*
	13	21.	758.40	29.745	67.	29.850	29.747	....	38.	32.	.131	66.	110	.3	..	.3	Ci., Cu., *W.* by *N.*
	14	22.3	758.25	29.742	69.	29.840	39.731	....	39.2	33.5	.145	65.5	0	.8	..	.3	Ci., Cu., *W.*
	15	23.	758.30	29.741	70.2	29.846	29.735	....	39.8	34.1	.150	66.	100	..	..	.2	Ci., Cu., *W.*
	16	22.5	758.10	29.736	70.3	29.832	29.721	....	39.3	34.5	.164	66.5	75	..	..	.4	Ci., Ci-cu., Cu., *W.*
	17	21.3	757.60	29.722	69.	29.800	29.691	....	36.5	33.5	.176	72.	60	..	..	1.0	Ci., Ci-cu., Cu., *W.*
	18	21.5	758.20	29.745	68.9	29.822	29.713	....	37.6	35.6	.201	73.	17	..	..	1.0	N.
	19	21.8	758.30	29.747	68.9	29.862	29.753	....	37.6	34.5	.183	75.	17	..	..	1.0	N.
	20	21.6	758.70	29.762	69.2	29.868	29.759	....	38.5	34.5	.172	75.	125	..	..	1.0	N.
	21	21.3	758.85	29.771	69.	29.882	29.773	....	36.	34.3	.197	78.5	124	..	..	1.0	N., snow.
	22	20.9	758.50	29.759	68.5	29.838	29.731	....	34.5	33.1	.193	78.6	137	..	..	1.0	N.
	23	21.	758.25	29.748	68.7	29.828	29.721	....	34.	32.8	.193	88.4	129	..	..	.2	Ci-s., S.

Observed dew point· 9*h*., 28°.3.

Date.		Barometer No 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
13	0	21.6	758.30	29.747	68.9	29.834	29.725	....	32.6	31.5	.185	88.1	82	..	..	..	Clear.
	1	21.2	758.90	29.774	68.7	29.860	29.753	....	32.1	30.6	.175	87.2	61	..	..	.2	Ci-s.
	2	21.6	760.00	29.814	69.	29.908	29.799	....	32.5	29.6	.154	87.3	113	..	..	.2	Ci-s.
	3	21.3	761.05	29.857	69.	29.940	29.831	....	33.7	29.	.131	71.	157	..	..	.5	Cu.
	4	20.8	761.35	29.871	68.8	39 966	29.857	....	32.7	28.5	.133	70.	156	.2	..	1.0	Cu., N.
	5	20.7	762.40	29.913	68.2	30.020	29.914	....	31.4	26.8	.119	68.5	156	.1	..	1.0	N., very dark.
	6	20.3	763.40	29.955	67.5	30.066	29.962	....	30.	27.5	.145	66.6	166	.2	..	.7	Cu.
	7	19.8	764.45	29.999	66.8	30.088	29.987	....	29.5	29.3	.179	66.	161	.1	..	.8	Cu.
	8	17.4	766.10	30.074	63.8	30.142	30.047	....	28.	24.5	.116	70.	180	.3	..	.1	Cu., *NW.*
	9	19.	767.25	30.112	63.3	30.206	30.112	....	28.	24.4	.115	69.7	200	.5	..	.4	Cu., *NW.*
	10	19.7	768.10	30.143	65.2	30.224	30.125	....	27.	23.	.103	68.	200	.3	..	.1	Cu., *NW.*
	11	18.8	768.40	30.157	65.2	30.240	30.141	....	26.4	21.7	.090	64.	180	.2	..	.1	Cu., *NW.*
	12	17.3	768.60	30.173	63.2	30.253	30.159	59.3	25.6	22.1	.104	68.	200	.2	..	..	A few Cu.
	13	18.	768.75	30.175	63.2	30.258	30.164	58.	25.	21.5	.101	67.5	200	..	..	..	A few Cu.
	14	18.8	769.60	30.204	63.	30.284	30.190	58.3	25.1	21.6	.101	67.5	200	..	..	..	Clear.
	15	19.7	769.90	30.212	67.	30.307	30.202	55.2	25.1	21.6	.101	67.5	220	..	..	..	Clear.
	16	19.2	770.20	30.226	65.4	30.317	30.216	....	24.5	21.5	.107	67.5	235	..	..	..	Hazy in *S.*
	17	19.	770.50	30.239	64.3	30.325	30.227	....	22.6	19.6	.097	68.7	235	..	..	..	Hazy in *S.*
	18	....	.....	*30.235	....	.....	*30.232	....	*21.8	....	*.099	*68.	...	..	..	..	
	19	18.3	771.20	30.269	63.2	30.332	30.238	....	20.2	17.2	.086	70.	255	..	..	..	Clear.
	20	17.8	770.80	30.256	62.5	30.320	30.228	....	20.5	17.	.080	72.	260	..	..	..	Clear.
	21	17.1	770.60	30.253	61.5	30.320	30.230	....	20.8	18.7	.102	71.	285	..	..	..	Clear.
	22	16.5	770.40	30.247	61.	30.320	30.234	....	20.5	18.6	.104	71.7	286	..	..	..	Clear.
	23	16.3	770.00	30.231	59.5	30.300	30.216	18.	20.3	19.	.112	72.	288	..	..	..	Clear.

* Supplied.

Observed dew point: 3*h.*, 21°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
14	0	17.4	769.75	30.217	60.1	30.278	30.192	17.8	20.	18.6	.109	73.	330	..	..	..	Clear.
	1	17.9	769.50	30.205	61.3	30.268	30.178	16.3	19.2	18.3	.112	73.3	315	..	..	..	Clear.
	2	19.	769.35	30.194	63.6	30.260	30.165	15.5	18.6	18.	.114	73.4	270	..	..	.2	Ci-s.
	3	18.2	768.75	30.175	63.6	30.336	30.242	12.2	19.5	18.6	.114	76.	270	..	..	..	Clear.
	4	17.2	767.75	30.140	62.5	30.178	30.087	11.	18.7	18.	.113	77.	270	..	..	..	Clear.
	5	16.1	766.30	30.085	60.7	30.136	30.050	11.9	18.7	18.5	.120	78.	270	..	..	..	Clear.
	6	16.3	765.55	30.058	60.	30.120	30.035	11.	18.2	18.2	.121	85.	270	..	..	..	Clear.
	7	17.	764.65	30.020	60.3	30.058	29.970	....	17.5	17.5	.118	86.5	270	..	..	.3	Ci., Ci-cu., S.
	8	17.8	764.15	29.996	61.3	30.050	29.962	....	30.	29.	.169	87.5	27	..	..	.6	Ci.
	9	19.3	763.10	29.947	62.8	30.020	29.929	....	34.7	31.8	.169	84.	30	..	..	.6	Ci.
	10	16.2	762.20	29.926	62.2	29.980	29.890	....	36.6	33.8	.181	82.	30	.7	..	1.0	Ci., Ci s.
	11	19.1	761.00	29.866	63.	29.946	29.853	....	37.5	34.5	.184	81.	30	1.5	..	1.0	Ci., Ci-s.
	12	19.8	759.50	29.804	66.	29.886	29.785	....	40.	36.	.185	77.5	30	1.7	..	1.0	Ci., Ci-s.
	13	19.1	758.00	29.747	66.	29.820	29.719	....	40.5	36.5	.189	77.5	30	1.6	..	.9	Ci., Ci s.
	14	20.9	757.00	29.700	66.8	29.800	29.697	....	42.3	38.	.198	76.	40	1.2	..	.9	Ci., Ci s.
	15	20.5	756.70	29.689	67.7	29.782	29.678	....	42.1	38.	.200	77.	45	.6	..	1.0	Ci., Ci-s., Cu.
	16	20.	756.40	29.680	67.5	29.768	29.664	....	41.7	38.1	.207	79.	20	.3	..	1.0	Cu., Ci-s.
	17	19.5	756.00	29.667	66.4	29.720	29.618	....	42.	38.5	.212	78.	40	.3	..	1.0	Cu., Ci-cu., Ci-s.
	18	19.	756.00	29.669	65.5	29.732	29.633	....	42.	38.5	.212	75.	50	..	..	1.0	Cu.
	19	20.5	756.15	29.668	66.	29.750	29.649	....	42.5	38.5	.206	78.2	58	..	..	.1	Cu.
	20	19.6	756.00	29.666	66.3	29.729	29.629	....	41.	38.	.212	79.	55	..	..	..	Clear.
	21	18.8	755.30	29.643	61.	29.710	29.624	....	40.8	37.7	.210	79.5	55	..	..	..	Clear.
	22	18.	755.75	29.665	61.3	29.732	29.645	....	41.	37.5	.203	79.	65	..	..	..	Clear.
	23	18.5	755.80	29.665	62.8	29.732	29.643	....	41.	38.	.212	79.	70	..	..	.4	Cu.

Observed dew point: 3*h.*, 14°; 9*h.*, 28°; 15*h.*, 31°.8.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
15	0	19.	756.00	29.670	63.7	29.736	29.642	37.	39.	36.5	.206	81.	55	..	..	..	Clear.
	1	19.8	756.70	29.695	64.5	29.760	29.664	37.	39.4	36.	.192	79.2	55	..	..	..	Clear.
	2	18.4	757.30	29.724	65.3	29.785	29.687	36.5	40.5	35.	.157	72.	130	..	..	..	Clear.
	3	19.	757.75	29.739	64.5	29.816	29.720	36.3	38.	38.	.246	72.2	137	.2	..	.3	Foggy in Hor.
	4	18.8	758.00	29.748	64.	29.816	29.721	36.	37.2	37.2	.240	72.2	135	·1	..	.4	Foggy in Hor.
	5	18.8	758.50	29.768	63.8	29.836	29.741	36.8	37.5	37.4	.240	68.	116	1.5	..	.6	Foggy in Hor.
	6	19.2	758.90	29.783	64.	29.848	29.753	....	36.5	36.5	.234	69.	115	.3	..	.8	Foggy in Hor.
	7	18.5	760.10	29.883	64.	29.910	29.815	....	35.6	35.4	.223	69.	99	..	..	.8	S., Ci-cu.
	8	18.	760.50	28.852	62.8	29.910	29.817	....	35.6	34.8	.210	69.	137	..	..	.7	Ci., Ci-cu., Cu.
	9	19.7	761.00	29.863	64.	29.930	29.835	....	36.2	31.	.135	68.	120	..	..	.7	Ci., Ci-cu , *NW.*
	10	19.5	760.80	29.857	64.5	29.920	29.824	....	36.8	31 4	.141	68.5	110	.5	..	.9	Ci cu., *NW.*
	11	19.4	760.50	29.845	64.8	29.918	29.820	....	37.5	31.5	.136	66.	110	..	..	.7	Ci-cu., *NW.*
	12	20.5	760 10	29.823	65.8	29 893	29.793	....	37.	31.	.132	66.	110	1.5	..	.3	Ci cu., *NW.*
	13	22.	760.10	29.817	67.5	29.900	29.796	....	37.5	31.3	.132	64.8	110	1.8	..	1.0	Cu., N., *NW.*
	14	23.	760.10	29.812	69.8	29.900	29.790	....	38	31.5	.131	64.8	110	1.6	..	.7	Cu., Ci cu., *NW.*
	15	22.5	760.60	29.834	70.4	29.923	29.811	....	36.9	31.	.133	63.	110	1.5	..	1.0	Cu.
	16	22.2	760.60	29.837	70.	29.923	29.812	....	35.8	30.	.128	66.	110	.7	..	1.0	Cu., Ci-cu.
	17	20.4	761.00	29.860	69.	29.933	29.824	....	35.	29.5	.127	65.	110	.3	..	1.0	Cu., Ci-cu.
	18	19.2	761.00	29.865	66.3	29 931	29.830	....	33.5	28.	.118	65.	110	.3	..	1.0	Cu , Ci-cu.
	19	17.7	761.75	29.902	63.	29.950	29.857	....	31.4	27.	.123	65.	115	.2	..	.1	A few Cu.
	20	16.8	761.80	29.909	61.	29.960	29.873	....	31.	26.5	.119	66.	110	..	..	..	Clear.
	21	17.	761.80	29.908	60.7	29.960	29.874	....	30.8	26.3	.118	65.3	110	..	..	..	Clear.
	22	16.2	761.65	29.906	59.7	29.912	29.828	....	30.	25.5	.113	67.	110	..	..	..	Clear.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	...	..	..	..	

Observed dew point: 9*h*. 20°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
17	0	16.4	763.05	29.959	60.2	30.018	29.933	....	33.1	31.	.171	78.9	106	..	..	1.0	Cu., Ci s., Ci-cu.
	1	18.	763.15	29.955	60.9	30.032	29.945	....	33.4	31.4	.175	80.9	75	..	..	.9	Cu., Ci-s , Ci-cu.
	2	19.1	763.60	29.968	63.	30.050	29.957	....	31.7	29.8	.165	81.3	73	..	..	.1	Ci-s. at N. Hor.
	3	20.	763.75	29.969	64.5	30.058	29.962	....	29.9	28.6	.164	83.4	45	..	..	..	Clear.
	4	20.8	764.25	29.975	66.5	30.074	29.972	31.	31.6	30.	.170	83.9	60	..	..	.2	Ci., Ci-s., very dark.
	5	21.7	764.65	29.997	68.2	30.090	29.984	30.	32.3	30.7	.174	85.1	40	..	..	.7	Ci-s., very dark.
	6	21.7	765.10	30.014	69.3	30.100	29.990	....	32.4	31.	.178	86.5	33	..	..	.8	Ci-s., S.
	7	21.7	765.50	30.030	69.2	30.122	30.012	....	32.8	31.4	.181	87.	16	..	..	.9	Ci-s., Ci-cu.
	8	21.2	765.70	30.041	67.9	30.140	30.034	....	33.5	31.8	.181	87.	26	..	..	.9	Ci-cu.
	9	20.	766.20	30.066	67.5	30.172	30.068	....	34.6	32.6	.181	86.	30	..	..	.6	Ci., Ci-cu. *NW.*
	10	21.	766.00	30.053	67.7	30.167	30.062	....	37.	34.3	.185	83.	30	.2	..	.8	Ci., Ci-s., *WNW.*
	11	21.5	765.85	30.045	68.5	30.156	30.049	....	38.	35.	.188	81.7	35	..	..	.8	Ci., Ci-s., *WNW.*
	12	21.	765.00	30.013	68.5	30.116	30.009	....	39.3	35.3	.178	78.	40	1.0	..	.4	Ci., *WNW.*
	13	21.5	764.30	29.984	68.5	30.100	29.993	....	42.	36.5	.171	73.	40	1.7	..	.2	Ci., *WNW.*
	14	21.8	764.00	29.971	69.4	30.078	29.968	....	43.5	38.	.183	72.	50	2.0	..	.1	Ci.
	15	21.4	763.50	29.953	69.4	30.063	29.953	....	44.2	38.7	.190	72.3	35	2.0	..	.1	Ci.
	16	21.2	763.40	29.950	69.	30.058	29.949	....	43.	38.	.189	73.7	10	1.8	..	.1	Ci.
	17	21.2	763.20	29.942	68.6	30.049	29.942	....	41.2	37.3	.190	75.2	10	.3	..	..	A very little Ci s.
	18	20.7	763.00	29.936	68.2	30.040	29.934	....	39.5	37.	.210	78.2	10	.2	..	..	Clear.
	19	20.8	763.45	29.953	68.	30.052	29.946	....	38.5	36.6	.213	81.3	10	.1	..	.4	Ci., Ci-s.
	20	20.5	763.45	29.954	68.	30.052	29.946	....	37.5	35.	.194	83.	10	..	..	.1	Ci., Ci s.
	21	20.2	763.60	29.962	67.2	30.060	29.957	....	36.5	35.5	.215	83.	10	..	..	..	Clear.
	22	20.	763.60	29.963	66.9	30.060	29.957	....	34.6	33.5	.198	83.	16	..	..	.1	Ci., Ci-s.
	23	18.9	763.25	29.954	65.7	30.036	29.937	....	36.6	34.5	.194	86.7	30	..	..	..	Clear.

Observed dew point: 3*h.*, 25°.2; 9*h.*, 28°.5; 15*h.*, 30°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
18	0	....	.....	.....	....	.....	.....	....	....	....	....	....	..	..	..	..	
	1	....	.....	.....	....	.....	.....	....	....	....	....	....	..	..	..	..	
	2	22.3	763.80	29.960	69.6	30.050	29.940	....	33.	32.4	.188	89.	70	..	..	.4	Ci-s.
	3	22.5	763.85	29.961	69.8	30.068	29.957	29.	33.2	32.5	.195	89.	30	..	..	..	Clear.
	4	21.3	763.65	29.959	69.2	30.062	29.953	27.5	32.5	32.	.193	90.	30	..	..	..	Clear.
	5	20.8	763.85	29.956	68.6	30.056	29.948	29.	33.1	32.5	.196	91.	30	..	..	..	Clear.
	6	20.	763.70	29.967	67.	30.060	29.957	25.3	31.	29.5	.167	92.	30	..	..	..	Clear.
	7	19.3	764.40	29.998	65.5	30.100	30.001	22.2	30.3	29.5	.173	92.	30	..	..	..	
	8	19.6	765.00	30.020	65.3	30.114	30.015	....	31.5	30.7	.181	91.4	29	..	..	.3	S.
	9	21.6	765.50	30.031	67.2	30.140	30.037	....	35.2	34.3	.206	89.9	29	..	..	.2	S.
	10	23.	766.00	30.044	69.8	30.150	30.039	70.	39.4	37.8	.227	86.8	16	..	..	.2	S.
	11	24.1	765.90	30.034	72.	30.152	30.035	76.	42.1	39.7	.235	84.4	8	..	..	..	Clear.
	12	24.2	765.35	30.012	73.5	30.132	30.012	82.	45.2	42.	.247	80.	0	..	..	..	Clear.
	13	24.	764.85	29.994	73.	30.113	29.994	81.	48.2	44.	.256	76.3	0	..	..	..	Clear.
	14	24.3	764.70	29.986	73.	30.112	29.993	80.5	50.6	45.5	.262	73.7	0	..	..	..	Clear.
	15	23.	764.80	29.997	73.	30.110	29.991	80.5	53.2	47.2	.271	70.5	0	..	..	..	Hazy.
	16	23.2	764.80	29.995	72.3	30.110	29.992	....	52.7	47.5	.284	71.3	0	..	..	..	Hazy in Hor.
	17	22.8	764.95	30.004	71.6	30.106	29.991	....	47.6	44.	.263	75.9	359	..	..	..	Clear.
	18	21.5	764.85	30.005	70.4	30.102	29.990	....	46.	42.2	.242	76.2	359	..	..	..	Clear.
	19	21.8	765.15	30.016	70.5	30.112	30.000	....	42.	39.5	.232	82.	359	..	..	..	Clear.
	20	19.5	764.65	30.008	69.	30.106	29.997	....	42.3	40	.238	82.	359	..	..	..	Clear.
	21	15.3	764.40	30.008	64.3	30.086	29.990	....	40.5	38.7	.233	85.	359	..	..	..	Clear.
	22	12.9	764.00	30.014	60.1	30.082	29.997	27.2	39.	37.3	.221	86.1	0	..	..	..	Clear.
	23	15.9	764.20	30.007	59.2	30.084	30.002	29.	38.5	36.5	.211	84.	12	..	..	..	Clear.

Observed dew point: 9*h.*, 29°.2; 15*h.*, 38°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
19	0	20.9	765.00	30.014	64.3	30.100	30.004	25.7	37.5	35.5	.202	84.	12	..	..	..	Clear.
	1	23.2	765.00	30.002	70.2	30.110	30.000	25.	34.	32.7	.189	87.5	12	..	..	.1	S. in Hor.
	2	23.5	765.15	30.007	71.	30.122	30.000	24.	34.9	33.7	.198	88.9	12	..	..	..	Clear.
	3	23.	764.90	30.001	71.	30.109	29.995	22.2	34.2	33.3	.200	89.4	10	..	..	..	Clear.
	4	22.5	764.65	29.993	71.	30.096	29.982	22.8	33.5	32.8	.197	91.	8	..	..	..	Clear.
	5	19.5	763.55	29.964	63.5	30.056	29.962	24.	32.3	31.3	.184	91.5	8	..	..	..	Clear.
	6	19.7	763.15	29.947	63.8	30.050	29.955	24.6	31.	30.	.176	91.4	12	..	..	..	Clear.
	7	20.4	764.20	29.986	64.2	30.092	29.997	23.	32.	31.5	.191	92.4	12	..	..	..	S.
	8	19.8	764.40	29.997	64.	30.100	30.005	....	31.4	30.9	.194	92.8	334	..	..	.6	Ci s.
	9	21.	764.50	29.995	67.	30.104	30.001	....	35.6	35.	.215	92.	334	..	..	.3	Ci-s.
	10	21.	764.40	29.991	67.3	30.100	29.996	73.	40.8	39.3	.241	88.	310	..	..	.3	S.
	11	21.	764.00	29.975	67.3	30.080	29.976	77.	43.1	41.1	.252	87.	355	..	..	.2	Clear, except slight haze.
	12	22.	763.10	29.934	68.	30.050	29.944	79.	46.4	43.6	.268	85.	350	..	..	..	Clear, except slight haze.
	13	22.	762.25	29.901	68.5	30.016	29.909	80.	49.5	45.5	.274	79.7	350	.1	..	..	Clear, except slight haze.
	14	23.6	762.10	29.887	70.3	30.010	29.898	76.	51.7	47.	.283	77.3	335	.1	..	..	Clear, except slight haze.
	15	24.3	762.10	29.883	72.8	30.010	29.891	75.	53.1	47.1	.270	73.	30	.1	..	..	Clear, except slight haze.
	16	24.	762.20	29.889	73.	30.014	29.895	....	53.	47.	.260	72.5	40	..	..	..	Clear, except slight haze.
	17	22.2	762.10	29.893	72.2	30.000	29.883	....	50.8	46.	.271	73.6	40	..	..	..	Clear.
	18	22.	762.20	29.899	70.6	30.000	29.888	....	47.9	45.	.281	76.	42	..	..	..	Clear.
	19	21.9	762.05	29.893	69.8	30.000	29.889	....	44.	43.5	.292	81.5	27	..	..	..	Clear.
	20	22.	762.10	29.895	69.8	30.000	29.889	....	42.	40.4	.250	85.	93	..	..	..	Clear.
	21	22.4	762.00	29.888	70.	30.000	29.889	....	41.	39.2	.237	86.	122	..	..	..	Clear.
	22	21.7	762.15	29.898	69.9	29.988	29.877	....	39.2	38.	.232	88.	122	..	..	..	Clear.
	23	20.8	761.75	29.887	68.6	29.972	29.865	....	39.	38.	.235	88.	220	..	..	..	Clear.

Observed dew point: 9*h.*, 33°.4; 15*h.*, 38°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
20	0	19.8	761.00	29.863	67.	29.956	29.853	....	37.1	36.4	.225	88.	225	..	..	.1	S., Ci-s.
	1	18.9	760.15	29.833	65.2	29.920	29.822	....	36.	35.2	.214	92.	225	..	..	.1	S.
	2	19.2	760.00	29.826	64.2	29.920	29.825	....	39.	38.4	.243	93.	320	..	..	.2	Ci-s. in *W.*
	3	20.7	760.30	29.831	66.2	29.920	29.819	....	39.5	39.3	.256	93.	320	..	..	..	Clear.
	4	20.8	759.80	29.810	67.	29.900	29.797	....	39.5	39.	.249	92.4	320	..	..	..	Clear.
	5	20.7	759.50	29.799	67.	29.900	29.797	....	36.8	36.2	.224	91.	314	..	..	..	Clear.
	6	20.3	759.45	29.799	66.5	29.888	29.787	....	37.2	37.2	.240	93.	249	..	..	.8	S.
	7	19.6	759.20	29.792	66.	29.884	29.783	....	33.9	33.5	.205	92.	239	..	..	1.0	S.
	8	18.5	758.85	29.784	64.3	29.876	29.780	....	34.6	34.6	.219	92.	238	..	..	.7	Fog.
	9	19.	758.50	29.768	64.	29.870	29.775	....	39.6	39.1	.250	92.	238	..	..	.4	Fog.
	10	21.	758.50	29.759	65.7	29.872	29.773	77.	44.4	43.	.279	88.3	0	..	..	.3	Ci., S.
	11	21.3	758.00	29.737	67.5	29.850	29.746	82.5	48.1	46.3	.309	87.	0	..	..	.1	Ci.
	12	22.	757.10	29.699	69.	29.816	29.707	90.	53.	50.2	.345	84.	0	..	..	.1	Ci.
	13	23.	756.25	29.660	70.	29.782	29.671	84.	58.3	53.7	.372	78.	0	..	..	.2	Ci., Ci-cu.
	14	23.5	755.90	29.644	71.5	29.770	29.655	....	60.	54.5	.373	77.	0	.1	..	.7	Cu., Ci-cu.
	15	23.4	755.50	29.629	72.	29.754	29.637	....	59.8	54.5	.376	77.	350	.2	..	.9	Ci-cu.
	16	23.5	755.25	29.619	72.3	29.742	29.625	....	58.8	53.5	.363	77.5	320	.7	..	.9	Cu., Ci-cu.
	17	23.	755.00	29.612	72.	29.734	29.618	....	56.6	54.6	.415	80.	320	1.9	..	.9	Ci-s., Cu., Ci-cu.
	18	22.	754.40	29.594	71.1	29.700	29.587	....	54.1	50.8	.348	82.	345	2.3	..	1.0	Cu., Ci-cu.
	19	21.3	753.80	29.574	70.	29.668	29.558	....	53.6	51.1	.360	83.	314	3.5	..	1.0	Cu., Ci-cu.
	20	21.1	752.60	29.528	69.9	29.610	29.500	....	53.	49.5	.328	81.2	320	.5	..	1.0	Cu., Ci-cu.
	21	21.5	752.75	29.532	69.5	29.620	29.512	....	52.8	48.8	.314	82.	335	3.5	..	1.0	Cu., Ci-cu.
	22	21.3	752.40	29.519	69.4	29.616	29.508	....	52.3	49.6	.337	85.2	337	.5	..	1.0	Ci-cu., N., rain.
	23	21.	750.70	29.453	69.2	29.564	29.457	....	53.2	50.8	.357	88.5	7	..	..	1.0	Ci-cu., N.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
21	0	20.	749.75	29.420	68.	29.520	29.416	....	57.	54.3	.402	89.6	39	.7	..	1.0	N., rain.
	1	19.2	749.50	29.414	66.3	29.500	29.400	....	52.8	51.5	.378	88.	45	3.0	..	1.0	N.
	2	18.6	749.20	29.405	65.5	29.490	29.393	....	51.9	50.9	.374	93.2	52	.5	..	.8	Cu., Ci-cu.
	3	18.	748.50	29.380	64.	29.462	29.368	....	52.2	51.	.372	93.2	80	..	.	.5	Ci-cu.
	4	17.7	748.45	29.379	63.2	29.464	29.373	....	50.2	47.2	.305	90.4	94	.4	..	1.0	Very dark.
	5	17.5	748.15	29.369	62.5	29.454	29.365	....	47.6	45.4	.294	87.	152	..	..	1.0	Very dark.
	6	17.2	748.20	29.372	62.2	29.456	29.368	....	47.	44.9	.289	86.	155	..	..	.6	Cu., Ci-cu.
	7	16.9	747.85	29.361	61.4	29.438	29.351	....	45.	44.	.293	86.5	137	..	..	.8	Cu., Ci-cu.
	8	....	.....	.....	....	.....	.....	....	....	....	....	....	...	..	..	..	
	9	15.	748.75	29.405	59.	29.484	29.404	....	40.	38.	.224	86.5	170	3.0	..	1.0	Cu., Ci-cu., N., *WNW.*
	10	14.	748.90	29.415	57.	29.490	29.415	....	40.	36.3	.191	78.5	170	2.5	..	1.0	Cu., Ci-cu., N., *WNW.*
	11	13.8	748.50	29.400	56.	29.474	29.401	....	41.	37.	.193	77.5	145	2.0	..	1.0	Ci., Ci-cu., Ci-s., *WSW.*
	12	13.2	748.00	29.382	55.2	29.460	29.390	...	41.5	36.5	.178	74.	130	3.0	..	1.0	Ci., Ci-cu., Ci-s., *WSW.*
	13	13.	748.00	29.384	54.5	29.460	29.392	....	42.	35.7	.156	69.	115	4.5	..	.6	Ci., Cu., *W.*
	14	13.4	748.10	29.386	54.3	29.463	29.395	....	42.7	36.2	.158	67.	125	9.0	..	.4	Ci-cu., Cu., *W.*
	15	14.	748.80	29.411	54.5	29.490	29.422	....	41.6	35.1	.149	66.	130	10.0	..	.7	Cu., *W.*
	16	15.3	749.60	29.437	56.3	29.520	29.446	....	41.	35.	.155	68.	130	2.0	..	.7	Cu., *W.*
	17	18.	750.80	29.471	60.	29.560	29.477	....	39.5	37.5	.220	67.2	130	1.2	..	1.0	Cu., *W.*
	18	19.2	752.00	29.513	62.7	29.600	29.511	....	39.	37.5	.225	67.	140	1.5	..	.3	Cu., *W.*
	19	19.8	753.60	29.573	64.6	29.674	29.579	....	36.3	33.	.170	67.	120	4.5	..	.2	Cu., *W.*
	20	20.	754.50	29.607	65.3	29.706	29.603	....	35.5	32.4	.167	67.	110	5.5	..	..	Clear.
	21	20.	755.00	29.626	65.7	29.736	29.641	32.	34.9	29.8	.127	66.8	130	4.5	..	..	Cu. in *N.*, *N.*
	22	20.5	756.75	29.692	66.8	29.796	29.694	32.	33.2	28.	.115	65.1	125	2.3	..	..	Cu. in *N.*, *N.*
	23	20.4	757.05	29.705	66.	29.800	29.700	31.7	32.7	27.8	.117	64.3	130	3.5	..	..	Cu. in *N.*, *N.*

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
22	0	18.9	757.15	29.715	65.5	29.810	29.711	31.1	32.5	27.	.112	63.	115	3.7	..	..	A few Cu.
	1	18.1	757.65	28.740	63.	29.830	29.737	28 5	32.5	27.	.112	64.	105	2.0	..	..	A few Cu.
	2	18.	758.20	29.761	61.7	29.850	29.758	27.7	31.5	28.	.138	66.	100	.1	..	..	A few Cu.
	3	15.3	758.60	29.790	62.	29.860	29.770	27.	31.5	28.	.138	66.	65	..	..	.1	A few Cu.
	4	15.3	758.90	29.802	60.2	29.862	29.777	26.9	31.5	29.5	.162	67.3	60	..	..	..	Clear.
	5	16.	759.30	29.814	60.3	29.862	29.776	26.	31.6	31.6	.196	68.5	9	..	..	..	Clear.
	6	17.2	759.60	29.819	60.4	29.900	29.814	....	32.5	30.6	.171	68.8	61	.1	..	.6	Cu.
	7	18.8	760.30	29.839	63.	29.934	29.841	....	33.	30.3	.161	67.	61	.3	..	.6	Ci., Cu.
	8	19.	760.60	29.851	64.	29.934	29.839	....	33.7	32.7	.194	67.	77	.5	..	.4	Ci., Cu.
	9	19.	760.80	29.859	64.1	29.960	29.865	....	34.4	28.6	.118	63.3	90	1.2	..	.3	Cu., *W.*
	10	18.2	760.90	29.866	63.7	29.962	29.868	....	34.5	28.5	.115	62.5	120	2.2	..	.8	Cu., *W.*
	11	18.	760.70	29.860	63.	29.958	29.865	....	34.6	28.2	.109	62.3	110	2.2	..	.7	Cu., *W.*
	12	18.5	759.80	29.821	64.2	29.923	29.828	....	34.2	28.2	.113	63.	120	2.2	..	.8	Cu., *W.*
	13	20.7	760.10	29.823	66.	29.930	29.829	....	35.7	29.4	.118	62.7	120	1.8	..	.8	Cu., *W.*
	14	20.3	760.65	29.847	67.	29.956	29.853	....	33.8	27.6	.107	62.7	120	2.5	..	.9	Cu., Ci cu., *W.*
	15	20.5	761.20	29.867	66.8	29.968	29.866	....	33.5	28.	.117	62.	115	2.4	..	1.0	Cu., Ci-cu., *W.*
	16	22.3	762.50	29.909	69.5	30.022	29.912	....	33.	27.3	.110	61.	125	2.5	..	.3	Cu., Ci-cu., *W.*
	17	20.6	763.50	29.956	69.	30.060	29.951	....	31.5	27.	.121	63.	115	3.0	..	.3	Cu., Ci-cu., *W.*
	18	19.	764.25	29.994	66.6	30.098	29.996	....	30.8	28.	.145	62.5	115	1.8	..	..	Clear.
	19	17.5	765.20	30.038	64.1	30.126	30.031	32.	29.	27.5	.155	65.	110	1.5	..	..	A few Ci-cu.
	20	15.	766.10	30.086	59.5	30.160	30.077	25.	27.	23.5	.111	68.	125	..	..	..	Clear.
	21	13.5	766.60	30.114	56.7	30.179	30.104	24.3	26.5	23.5	.117	68.	125	.3	..	..	Clear.
	22	13 7	767.60	30.152	51.8	30.224	30.161	....	25.	23.5	.132	63.6	125	1.5	..	..	Clear.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	125	.8	..	..	Clear.

Observed dew point: 9*h.*, 16°.6.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
24	0	10.7	776.85	30.530	49.5	30.576	30.519	....	17.2	16.6	.108	69.4	230	..	..	..	Clear.
	1	10.5	777.00	30.536	49.4	30.578	30.521	....	17.	15.2	.090	69.	253	..	..	..	Clear.
	2	11.9	777.65	30.555	50.2	30.612	30.553	14.2	16.1	14.3	.087	69.9	246	..	..	..	Clear.
	3	13.6	778.05	30.563	53.	30.626	30.559	13.	15.5	13.7	.084	69.9	253	..	..	..	Clear.
	4	12.9	778.05	30.567	53.5	30.624	30.556	12.	15.	13.2	.083	69.9	254	..	..	..	Clear.
	5	13.6	778.10	30.565	53.9	30.626	30.556	10.	14.5	13.1	.086	70.	254	..	..	..	Clear.
	6	13.9	778.70	30.587	53.9	30.650	30.580	9.2	14.	12.5	.083	70.	254	..	..	..	Clear.
	7	14.8	778.95	30.593	56.	30.668	30.593	8.9	13.5	12.2	.084	70.	254	..	..	..	Clear.
	8	15.6	779.05	30.592	57.	30.680	30.602	....	13.6	12.9	.092	70.	254	..	..	..	Clear.
	9	17.	779.65	30.610	59.	30.700	30.617	....	17.	14.8	.085	68.	254	..	..	..	Clear.
	10	16.1	779.60	30.611	59.2	30.693	30.610	58.	17.4	15.	.082	67.5	254	..	..	..	Clear.
	11	15.8	778.90	30.586	58.4	30.669	30.587	59.	19.	16.3	.085	67.3	254	..	..	..	Clear.
	12	17.4	778.20	30.550	60.	30.638	30.552	65.	20.7	18.	.092	67.	270	..	..	..	Clear.
	13	16.9	777.20	30.513	59.2	30.600	30.517	63.	22.7	19.2	.089	65.	5	..	..	..	Clear.
	14	17.	776.75	30.496	60.	30.580	30.494	51.	24.4	20.7	.095	63.7	210	..	..	..	Clear.
	15	17.	776.55	30.488	60.	30.572	30.486	47.	25.2	21.8	.103	65.	190	..	..	..	Clear.
	16	17.	776.00	30.466	60.	30.556	30.470	....	25.5	21.9	.102	64.7	..	..	..	..	Clear, hazy Hor.
	17	15.9	775.60	30.456	59.2	30.520	30.437	....	24.	21.4	.109	67.9	..	..	..	..	Clear, hazy Hor.
	18	14.2	775.45	30.458	57.2	30.500	30.422	....	23.5	21.	.108	69.	..	..	..	..	S. at W.
	19	13.	774.75	30.436	55.	30.476	30.404	....	22.5	20.5	.112	72.	..	..	..	.3	Ci., Ci-s., S.
	20	11.7	774.15	30.418	52.9	30.450	30.383	20.	21.4	20.4	.121	73.	..	..	..	.2	Ci., Ci-s., S.
	21	10.7	774.05	30.419	51.	30.450	30.389	19.	22.	20.5	.117	74.2	..	..	..	.2	Ci., Ci s.
	22	10.6	773.50	30.398	49.8	30.450	30.391	....	21.2	20.	.117	75.9	..	..	..	.6	S., Ci s.
	23	12.2	772.15	30.336	51.	30.400	30.339	....	21.	19.6	.113	78.	..	..	..	1.0	S., Ci-s.

Observed dew point: 3*h*., 8°.6; 9*h*., 8°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr, height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
25	0	12.1	771.60	30.315	52.	30.372	30.308	18.	20.1	19.2	.116	82.	..	.2	..	.3	Ci-cu., Ci s., (1) *N.*, (2) *NW.*,
	1	12.1	771.85	30.325	52.	30.376	30.312	16.	20.3	19.2	.114	82.3	..	..	..	.4	S., Ci-s. [(3) *W.*
	2	13.3	771.50	30.306	53.2	30.370	30.303	....	22.5	21.2	.122	82.3	..	..	..	1.0	S.
	3	14.	770.25	30.254	56.	30.318	30.243	....	23.	22.	.029	84.	..	.3	..	1.0	S.
	4	12.8	769.65	30.237	55.7	30 280	30.206	....	24.2	23.	.132	85.	..	.4	..	1.0	S.
	5	12.5	768.95	30.212	54.8	30.289	30.208	....	25.2	23.8	.134	85.	..	.2	..	1.0	S.
	6	12.3	768.45	30.193	54.	30.298	30.229	....	25.7	24.6	.142	85.3	..	.6	..	1.0	S.
	7	14.5	768.55	30.186	55.4	30.250	30.178	....	26.	25.	.145	85.9	..	.2	..	1.0	S., Ci s.
	8	13.5	768.40	30.184	55.7	30.216	30.135	....	26.5	26.5	.164	85.5	..	.6	..	1.0	Ci-s.
	9	9.5	767.00	30.148	52.8	30.200	30.137	....	28.4	26.8	.149	85.	..	.5	..	.6	Ci-cu., Ci-s.
	10	10.8	766.85	30.137	51.5	30.200	30.134	....	31.	28.5	.151	81.5	..	1.3	..	.5	Ci-s., Ci-cu.
	11	13.4	766.50	30.110	53.5	30.180	30.113	....	33.4	30.6	.162	78.	..	1.0	..	.4	Ci-cu., Ci.
	12	13.	765 00	30.052	56.	30.136	30.056	....	36.3	31.8	.152	74.	30	1.4	..	.6	Ci., Ci-cu., Ci-s.
	13	15.5	764.55	30.022	57.	30.110	30.034	....	37.7	33.	.153	73.7	30	1.2	..	.9	Ci., Ci-cu , Ci-s.
	14	17.	763.80	29.986	59.5	30.080	29.997	....	39.	33.5	.147	71.	20	.8	..	1.0	Ci-s.
	15	17.	764.00	29.994	60.4	30.083	29.997	....	38.	33.3	.155	72.3	30	.3	..	1.0	Ci-s.
	16	15.	763.70	29.991	59.7	30.074	29.990	....	37.2	32.7	.153	73.	30	1.0	..	1.0	Ci s., N.
	17	16.	763.40	29.975	59.5	30.030	29.947	....	33.	31.5	.180	87.	30	2.0	..	1.0	N., snowing.
	18	16.6	762.90	29.952	60.2	30.008	29.923	....	33.	31.5	.181	90.	30	1.3	..	1.0	C-is., N. ?
	19	16.	762.35	29.933	60.2	29.978	29.893	....	32.5	31.4	.184	90.	30	.3	..	1.0	Ci-s., N. ?
	20	16.6	762.00	29.917	60.2	29.970	29.885	....	32.	30.8	.179	90.	30	.2	..	1.0	Ci-s., N. ?
	21	17.2	761.90	29.910	61.	29.966	29.879	....	32.5	31.	.177	87.	41	.1	..	1.0	Ci-s., N. ?
	22	17.4	762.00	29.912	61.6	29.994	29.906	....	32.2	31.	.180	87.	21	.1	..	.8	Ci-s., N., halo.
	23	17.3	761.40	29.890	61.8	29.962	29.872	....	31.8	30.7	.179	87.1	21	..	..	1.0	Slight S., Ci-s., halo.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
26	0	18.4	761.35	29.883	62.6	29.958	29.867	....	31.1	29.7	.170	86.9	21	..	..	.8	Ci-cu., (1) *SW.*, (2) *W.*
	1	19.8	760.70	29.852	64.6	29.946	29.850	....	31.	29.9	.174	85.	21	..	..	.3	Ci-cu., Ci-s.
	2	20.3	760.75	29.851	66.1	29.938	29.837	....	29.6	28.4	.163	85.5	21	..	..	.2	Ci., Ci-s., (1) *W.*, (2) *SW.*
	3	18.5	760.85	29.863	65.	29.934	29.836	....	27.	26.6	.160	87.	21	..	..	.7	S.
	4	18.2	760.60	29.854	64.2	29.932	29 837	....	27.5	27.	.162	88.2	21	..	..	..	Clear.
	5	17.6	760.80	29.866	63.8	29.950	29.855	....	27.7	27.2	.163	89.4	21	..	..	.3	S., Ci-s.
	6	17.	760.30	29.849	62.	29.928	29.838	....	27.5	26.4	.153	90.5	21	..	..	1.0	Foggy.
	7	16.5	760.40	29.856	60.2	29.918	29.833	....	27.5	26.5	.154	91.	21	..	..	.2	Cu. at Hor.
	8	17.2	760.70	29.863	60.8	29.940	29.853	....	27.7	27.2	.163	89.3	21	..	..	.2	S., Cu. at Hor.
	9	17.	760.10	29.841	60.5	29.934	29.848	....	32.6	31.1	.178	87.	20	..	..	.1	Ci., S. at Hor.
	10	17.8	760.00	29.833	61.	29.928	29.841	....	34.4	32.7	.186	86.	20	..	..	.1	Ci., S.
	11	19.1	759.60	29.811	63.	29.910	29.817	....	36.8	34.6	.194	85.	0	..	..	.6	Ci., Ci-s., S., *W.* by *S.*
	12	19.3	758.10	29.751	64.2	29.853	29.758	....	39.8	36.5	.197	80.3	10	..	..	.8	Light Ci., Ci-s., *WSW.*
	13	20.	756.80	29.696	64.8	29.805	29.708	....	43.5	39.	.205	74.5	10	..	..	.8	Light Ci., Ci-s., *WSW.*
	14	21.2	755.90	29.656	67.	29.760	29.657	....	44.6	39.2	.197	70.3	45	..	..	.8	Light Ci., Ci-s., *WSW.*
	15	21.1	755.65	29.646	67.8	29.757	29.652	....	43.7	38 4	.191	71.	25	..	..	.9	Light Ci., Ci-s., *WSW.*
	16	21.	755.20	29.628	68.	29.734	29.629	....	43.	38.6	.203	73.7	25	..	..	1.0	Ci., Ci-s., Ci-cu., *WSW.*
	17	20.7	754.40	29.600	67.9	29.666	29.561	....	39.5	36.5	.200	71.2	25	..	..	1.0	Ci., Ci-s., Ci-cu., *WSW.*
	18	21.	753.75	29.572	67.5	29.650	29.547	....	38.5	34.9	.181	78.3	25	..	..	1.0	Ci-cu., Ci-s., *WSW.*
	19	21.7	754.30	29.591	68.	29.672	29.568	....	37.4	35.4	.203	80.	24	..	..	.8	Ci-cu., Ci-s., *WSW.*
	20	23.	753.00	29.533	71.3	29 620	29.508	....	37.	35.	.200	81.5	25	..	..	1.0	Ci-cu., Ci-s., *WSW.*
	21	21.7	752.40	29.516	70.5	29.596	29.486	....	35.9	34.	.193	84.	25	..	..	.6	Ci-cu.
	22	21.	752.00	29.504	69.2	29.592	29.485	....	35.7	34.1	.197	85.	24	..	..	.9	Ci-cu., Ci-s., *WSW.*
	23	20.	751.05	29.489	68.3	29.592	29.487	....	35.6	34.8	.211	87.	22	..	..	1.0	Ci-cu., Ci-s., *WSW.*

Observed dew point: 3*h.*, 28°; 9*h.*, 27°.8.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
27	0	19.2	751.00	29.473	66.	29.550	29.451	....	35.5	34.5	.207	89.1	21	..	..	1.0	S., Ci-s.
	1	18.4	750.35	29.452	64.2	29.535	29.441	....	36.	34.8	.207	92.2	40	..	..	1.0	N., raining.
	2	19.8	750.70	29.459	65.	29.546	27.450	....	34.4	33.6	.202	93.	21	..	..	.4	Cu., Ci-cu., N., (1) *SW.*, (2) *W.*
	3	19.9	750.90	29.466	65.3	29.540	29.443	....	34.9	34.2	.207	88.4	34	..	..	.5	Ci-cu., N.
	4	20.8	751.20	29.473	66.9	29.575	29.473	....	35.8	35.4	.219	83.6	59	.2	..	.7	Ci-cu.
	5	21.6	752.25	29.511	68.3	29.594	29.489	....	37.9	36.7	.222	84.	33	2.5	..	.8	Ci-cu.
	6	22.	752.95	29.538	69.8	29.622	29.513	....	39.	37.8	.232	77.	92	2.7	..	1.0	Ci-cu., *WSW.*
	7	20.5	754.00	29.585	68.8	29.672	29.565	....	37.5	34.5	.185	77.5	98	4.5	..	.8	Ci-cu., *WSW.*
	8	19.6	756.15	29.672	67.	39.742	29.640	....	36.	34.5	.202	70.5	105	7.0	..	.7	Ci-cu., *SW.*
	9	18.	757.65	29.741	65.	29.840	29.742	....	34.	28.3	.118	65.5	120	10.0	..	.2	Cu., *NW.*
	10	17.	759.50	29.817	63.	29.906	29.813	....	33.	27.2	.110	64.	120	12.0	..	.3	Cu., *NW.*
	11	16.2	760.50	29.861	61.2	29.946	29.859	....	34.	27.5	.104	60.	120	7.0	..	.4	Cu., *NW.*
	12	16.	760.80	29.873	60.	29.956	29.871	....	34.3	28.	.109	60.	120	7.0	..	.5	Cu., *NW.*
	13	17.7	761.60	29.896	61.	29.988	29.901	....	35.	28.5	.110	59.5	120	7.0	..	.4	Cu., *NW.*
	14	18.	762.45	29.928	62.2	30.020	29.930	....	35.5	28.5	.105	57.	120	5.0	..	.3	Cu., *NW.*
	15	....	.....	.....	....	.....	.....	....	36.7	29.4	.108	56.5	110	.5	..	.3	Cu., *NW.*
	16	18.	765.00	30.028	62.8	30.114	30.021	....	36.	28.5	.100	55.3	110	4.0	..	.6	Cu., *NW.*
	17	16.9	766.50	30.094	61.6	30.168	30.080	....	34.5	29.	.123	57.	100	3.0	..	.9	Cu., *NW.*
	18	16.	767.00	30.116	60.5	30.174	30.088	....	33.8	28.4	.120	57.	120	2.5	..	1.0	Cu., *NW.*
	19	15.	768.15	30.167	58.7	30.224	30.142	....	33.5	29.5	.138	58.8	720	1.5	..	1.0	Cu., *NW.*
	20	15.6	768.75	30.188	57.8	30.249	30.169	....	33.5	29.5	.141	59.3	120	..	..	1.0	Cu., *NW.*
	21	16.2	769.15	30.201	58.7	30.260	30.178	....	33.	29.5	.146	61.7	120	..	..	1.0	Cu., *NW.*
	22	16.4	769.70	30.220	59.2	30.296	30.213	....	32.4	29.3	.150	64.5	92	..	..	1.0	Cu., Ci-cu., *NW.*
	23	16.2	770.45	30.251	59.4	30.326	30.242	....	31.	27.2	.129	66.	86	..	..	.1	Ci-cu., *NW.*

Observed dew point: 9*h.*, 17°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
28	0	17.3	770.65	30.252	60.6	30.330	30.243	....	30.1	26.4	.125	66.8	110	..	..	..	Clear.
	1	17.9	771.45	30.282	61.8	30.348	30.257	....	29.	24.8	.111	67.5	96	..	..	..	Clear.
	2	18.5	772.30	30.310	63.5	30.388	30.293	....	27.9	24.2	.113	70.	94	..	..	..	Clear.
	3	17.8	772.00	30.305	63.	30.370	30.276	....	26.5	25.5	.148	70.	93	..	..	..	Clear.
	4	16.4	772.10	30.314	60.3	30.372	30.285	27.	25.8	25.	.147	75.	94	..	..	..	Clear.
	5	16.5	772.40	30.326	60.3	30.400	30.313	20.	25.5	24.	.134	78	94	..	..	..	Clear.
	6	17.4	773.00	30.346	61.	30.400	30.311	16.7	23.2	23.	.142	83.5	94	..	..	.2	Ci-s. at Hor.
	7	17.5	773.15	30.352	61.7	30.412	30.322	17.	22.3	21.4	.127	85.	94	..	..	.2	S., Cu.
	8	16.7	772.95	30.347	61.	30.412	30.323	....	23.8	23.5	.144	85.	94	..	..	.4	S.
	9	16.5	772.85	30.344	60.	30.428	30.342	....	29.	27.4	.153	82.	45	..	..	.1	Ci-s. in *SW.*
	10	17.	772.50	30.328	60.	30.415	30.329	59.5	33.	30.	.156	80.3	20	..	..	.2	Ci-s. in *S.*
	11	17.1	772.10	30.312	60.9	30.390	30.301	68.5	37.1	31.6	.140	72.3	20	1.2	..	.1	Ci. in *S.*
	12	17.2	770.80	30.259	61.2	30.353	30.264	64.	38.7	32.7	.136	68.	20	2.2	..	.1	Ci. in *S.*
	13	17.3	769.75	30.218	61.8	30.310	30.219	55.5	40.2	33.7	.138	65.5	20	2.3	..	.1	Ci. in *S.*
	14	18.8	768.85	30.175	63.2	30.266	30.172	55.5	41.6	34.7	.140	65.	10	2.8	..	.1	Ci. in *S.*
	15	18.5	768.25	30.152	63.7	30.242	30.147	55.	42.5	35.5	.145	65.	0	2.3	..	.1	Ci. in *S.*
	16	18.	767.85	30.141	63.4	30.203	30.108	....	42.4	36.	.156	66.2	0	1.3	..	.1	Ci., scattered.
	17	18.	767.45	30.125	63.9	30.206	30.110	....	38.	35.	.188	70.	350	1.2	..	..	Clear.
	18	17.9	767.20	30.115	63.4	30.190	30.095	....	38.	35.	.188	74.2	350	.2	..	..	Clear.
	19	17.5	766.80	30.101	62.8	30.180	30.086	....	35.5	33.4	.185	78.	350	.1	..	..	Clear.
	20	17.	766.50	30.092	61.2	30.163	30.076	31.	34.5	32.5	.179	83.	25	..	..	..	Clear.
	21	17.8	766.10	30.072	62.6	30.143	30.050	31.5	34.5	32.5	.179	84.	0	..	..	..	Clear.
	22	17.	764.75	30.024	59.6	30.102	30.019	33.5	35.	32.5	.174	82.	0	..	..	..	Clear.
	23	17.	764.50	30.014	60.	30.088	30.003	33.2	35.5	33.	.179	83.	355	.2	..	..	Clear.

Observed dew point: 9*h.*, 20°.6.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
29	0	18.2	764.00	29.987	61.9	30.061	29.971	32.	35.3	33.5	.190	85.	..	.1	..	..	A few Ci. and Ci-s.
	1	18.2	763.75	29.977	63.	30.048	29.954	33.5	35.5	34 2	.200	87.	24	..	..	..	Clear.
	2	18.2	763.35	29.960	63.	30.040	29.946	....	35.2	34.	.200	87.	24	..	..	.8	Ci cu.
	3	17.6	762.45	29.930	62.5	30.020	29.929	....	36.4	35.2	.209	87.	24	..	..	.6	Ci-cu.
	4	17.	762.50	29.935	62.	30.000	29.910	....	37.6	37.5	.230	87.	24	..	..	1.0	Ci-cu., S.
	5	16.	761.15	29.886	60.5	29.986	29.900	....	40.4	39.	.239	87.	24	..	..	1.0	Cu.
	6	15.3	761.85	29.918	60.	29.986	29.901	....	41.7	40.5	.255	87.	24	..	..	1.0	Cu.
	7	14.6	761.60	29.911	58.8	29.974	29.892	....	42.	40.7	.256	87.	24	..	..	1.0	Ci-cu., Cu.
	8	14.	761.60	29.914	57.3	29.962	29.885	....	42.8	41.5	.264	87.	35	..	..	.9	Ci-cu.
	9	14.	761.40	29.907	56.	29.980	29.906	....	45.1	43.6	.283	87.5	40	..	..	.8	Ci., Ci-cu.
	10	16.	761.40	29.897	57.5	29.980	29.903	....	48.	46.	.304	88.	40	.2	..	.8	Cu., Ci., Ci-cu.
	11	18.	760.80	29.864	61.	29.957	29.870	....	49.9	47.2	.309	86.	45	2.0	..	.9	Cu., Ci., Ci-cu.
	12	19.3	759.50	29.806	64.1	29.910	29.815	....	52.5	49.	.322	84.	40	1.2	..	.9	Cu , Ci., Ci-cu.
	13	20.4	759.35	29.783	65.5	29.890	29.791	....	53 8	50.	.330	83.	30	2.0	..	.9	Cu., Ci., Ci-cu.
	14	21.5	758.40	29.753	67.8	29.865	29.760	....	54.2	50.7	.343	84.	30	1.0	..	.4	Cu., Ci., Ci-cu.
	15	21.9	758.35	29.740	69.	29.844	29.735	....	53.5	50.7	.351	87.	25	1.0	..	1.0	Cu.
	16	22.2	758.15	29.738	70.1	29.844	29.733	....	52.	49.8	.346	88.3	30	.5	..	1.0	Cu., Ci-s.
	17	22.7	758.00	29.730	70.7	29.832	29.720	....	51.	49.3	.346	90.	60	..	..	1.0	Cu., Ci-s.
	18	22.2	757.40	29.709	70.6	29.784	29.672	....	49.7	48.3	.336	91.7	30	..	..	1.0	Cu., Ci-s.
	19	22.2	757.10	29.697	70.3	29.782	29.671	....	49.5	48.1	.334	91.9	30	..	..	1.0	N., ? Cu., Ci-s.
	20	21.9	755.80	29.648	70.	29.740	29.630	....	49.	48.	.338	94.	30	..	..	1.0	N., ? Cu., Ci-s.
	21	22.2	754.80	29.608	70.1	29.682	29.572	....	48.9	48.1	.341	94.	10	..	..	1.0	N., ? Cu., Ci-s.
	22	21.8	754.05	29.582	69.7	29.662	29.554	....	50.	49.	.350	94.	10	..	..	1.0	N., ? Cu., Ci s.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	10	..	..	..	

Observed dew point: 9*h.*, 41°.8; 15*h.*, 48°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
31	0	18.1	762.75	29.940	63.8	30.004	29.959	....	36.4	34.5	.196	62.5	25	2.0	..	.6	Ci-cu., Ci-s.
	1	17.8	762.65	29.937	62.9	30.014	29.921	....	38.2	34.6	.178	71.1	342	..	..	.5	Ci-cu., Ci-s.
	2	18.5	762.25	29.917	63.	30.000	29.907	....	38.6	34.8	.177	71.6	339	..	..	.2	Ci-cu., Ci-s.
	3	19.7	762.00	29.902	65.4	29.948	29.849	....	39.7	35.9	.186	71.5	339	..	..	.6	Ci-cu.
	4	20.9	761.95	29.895	67.8	29.940	29.834	....	41.9	39.8	.222	73.	23	..	..	.6	Ci-cu., S.
	5	20.3	761.25	29.826	66.4	29.900	29.798	....	43.3	41.2	.252	74.5	16	.1	..	.4	Slight fog.
	6	22.4	759.05	29.772	68.9	29.836	29.729	....	44.2	42.	.258	74.7	13	..	..	.8	Slight fog.
	7	22.6	759.55	29.791	71.8	29.848	29.733	....	45.	42.5	.260	76.	13	..	..	1.0	Thick fog.
	8	22.8	758.15	29.736	70.2	29.838	29.731	....	47.	43.2	.252	82.6	0	.1	..	1.0	Ci-s., Ci-cu., *SW.*
	9	22.	757.50	29.715	71.6	29.826	29.711	....	48.6	46.4	.305	83.6	10	.8	..	1.0	Ci-s., Ci-cu.
	10	20.5	756.70	29.689	69.6	29.790	29.680	....	52.3	49.3	.331	85.	10	.7	..	1.0	Ci-s., Ci-cu., Cu.
	11	20.2	756.00	29.663	68.2	29.770	29.664	....	51.6	49.8	.351	90.5	20	1.2	..	1.0	N., Cu.
	12	20.2	755.35	29.638	68.4	29.743	29.636	....	51.2	50.	.360	92.5	20	.8	.03	1.0	N., showery.
	13	20.4	754.60	29.608	68.2	29.708	29.602	....	52.	51.	.375	93.	25	1.5	.01	1.0	N., showery.
	14	21.6	753.00	29.540	69.	29.654	29.545	....	53.	52.	.389	92.7	10	1.0	.04	1.0	N., showery.
	15	22.5	752.60	29.521	70.8	29.632	29.520	....	55.1	53.6	.406	91.	25	.9	..	1.0	N., showery.
	16	22.8	752.60	29.520	71.5	29.632	29.519	....	56.3	54.3	.410	90.5	30	1.2	..	1.0	N., Cu.
	17	22.2	753.00	29.537	71.5	29.650	29.537	....	55.5	53.8	.406	91.5	30	2.0	..	1.0	N., Cu.
	18	22.2	753.50	29.557	71.5	29.668	29.555	....	55.	53.5	.405	90.	30	1.0	..	1.0	N., Cu.
	19	22.	753.75	29.569	70.9	29.674	29.562	....	54.3	53.2	.404	90.	20	.5	..	1.0	N., showery.
	20	21.7	755.00	29.619	70.3	29.716	29.606	....	50.7	48.	.319	90.5	130	1.0	.01	1.0	N., showery.
	21	20.9	755.70	29.650	69.3	29.748	29.640	....	49.2	44.7	.263	79.	135	2.5	..	1.0	N., showery.
	22	20.	756.40	29.681	67.8	29.774	29.670	....	45.5	39.5	.193	75.	120	3.5	..	1.0	N., showery.
	23	21.	758.50	29.759	68.	29.860	29.760	....	42.5	37.	.176	72.	130	2.8	..	..	Clear.

Observed dew point: 9*h.*, 44°; 15*h.*, 53°.5; 21*h.* 45°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
1	0	21.2	758.80	29.770	68.7	29.870	29.763	39.	40.	35.	.166	71.	130	2.2	..	..	Clear.
	1	21.	759.40	29.794	68.5	29.892	29.785	37.7	38.5	33.5	.154	69.5	130	4.7	..	..	Clear.
	2	20.7	760.30	29.831	68.5	29.920	29.813	....	37.	32.	.143	68.	130	2 0	..	.2	A few Ci. at Hor.
	3	20.4	761.15	29.866	67.8	29.964	29.858	....	35.7	31.4	.152	70.5	120	1.5	..	..	Clear.
	4	19.8	761.85	29.897	67.	29.992	29.889	32.	35.	32.6	.177	71.	110	.3	..	..	Clear.
	5	19.3	763.10	29.947	65.8	30.036	29.935	32.2	35.	31.5	.161	71.	120	..	..	..	Clear.
	6	19.	764.35	29.998	65.3	30.088	29.989	32.	34.3	32.	.173	69.	122	.4	..	..	Clear.
	7	18.4	765.60	30.050	64.3	30.132	30.036	....	34.	29.8	.142	68.8	115	.1	..	..	Clear.
	8	18.8	765.65	30.089	64.3	30.176	30.080	....	34.4	30.	.141	68.	101	..	..	..	Clear.
	9	19.6	767.55	30.121	65.	30.212	30.114	....	36.7	31.4	.141	64.6	110	..	..	..	Clear.
	10	19.3	768.20	30.149	65.	30.234	30.136	59.2	38.2	31.5	.128	63.	112	1.0	..	..	Clear.
	11	19.2	768.70	30.168	64.8	30.258	30.158	67.3	39.5	32.7	.127	60.	89	1.3	..	..	Clear.
	12	19.	768.00	30.141	64.4	30.244	30.146	67.	40.2	33.5	.134	61.5	90	.6	..	..	Clear.
	13	18.5	767.75	30.133	63.4	30.220	30.125	70.5	41.4	34.2	.133	61.5	120	1.0	..	..	Clear.
	14	18.5	763.10	30.147	63.4	30.242	30.147	64.	41.8	34.8	.140	59.	110	2.0	..	..	Clear.
	15	18.1	768.45	30.163	63.	30.258	30.164	68.	42.2	34.5	.130	59.	110	2.3	..	..	Clear.
	16	18.	768.85	30.179	62.6	30.275	30.183	60.	41.7	34.	.126	58.	110	2.0	..	..	Ci. in S.
	17	18.1	769.70	30.212	62.4	30.300	30.208	....	40.	34.5	.155	59.2	270	1.2	..	..	A few Ci.
	18	17.	770.45	30.247	62.7	30.325	30.232	....	....	....	....	61.3	80	..	..	..	A few S.
	19	18.4	770.75	30.251	62.8	30.350	30.257	....	36.2	31.5	.148	63.	83	..	..	..	Clear.
	20	17.5	771.00	30.266	62.5	30.350	30.258	....	34.	31.5	.171	70.	40	..	..	..	Clear.
	21	18.7	771.40	30.276	63.	30.366	30.272	....	33.5	30.7	.162	72.5	4	..	..	..	Clear.
	22	18.2	771.60	30.285	63.	30.373	30.279	25.	31.	28.8	.156	76.	5	..	..	..	Clear.
	23	16.2	771.45	30.290	61.8	30.370	30.280	23.	31.1	28.9	.157	77.	5	..	..	..	Clear.

Observed dew point: 3*h.*, 25°; 9*h.*, 17°.8; 15*h.*, 20°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
2	0	16.4	771.45	30.289	60.5	30.364	30.277	22.1	29.4	28.3	.164	83.5	5	..	..	..	Clear.
	1	16.6	771.60	30.294	60.2	30.372	30.286	24.2	28.7	27.7	.161	85.5	5	..	..	..	Clear.
	2	16.5	771.70	30.299	60.2	30.380	30.294	22.	28.3	27.2	.157	87.	0	..	..	..	Clear.
	3	16.8	*771.95	30.347	60.2	30.382	30.296	21.3	27.7	27.	.159	88.	5	..	..	..	Clear.
	4	19.	†771.90	30.294	62.4	30.386	30.294	....	27.8	26.8	.154	85.2	5	..	..	.5	Cu.
	5	18.8	771.75	30.289	64.	30.380	30.283	21.	28.	27.	.156	86.	5	..	..	.4	Ci-cu., Ci.
	6	17.8	771.80	30.296	63.4	30.380	30.285	....	27.5	26.2	.148	90.	0	..	..	.7	Ci.
	7	17.	772.10	30.312	62.	30.390	30.299	....	25.7	25.	.147	90.	0	..	..	.8	S., Ci., Ci-s.
	8	19.3	772.00	30.296	62.8	30.390	30.296	....	31.5	30.1	.170	88.	10	..	..	.2	Ci-s.
	9	20.3	772.20	30.299	65.5	30.405	30.304	68.	33.7	31.7	.177	84.7	10	..	..	.3	Ci., *W.*
	10	20.2	771.90	30.288	66.5	30.392	30.289	72.	36.3	33.8	.184	83.	15	..	..	.4	Ci., *W.*
	11	19.2	771.00	30.528	66.2	30.358	30.256	76.5	43.2	37.7	.181	72.	10	1.4	..	.4	Light Ci., *W.*
	12	18.8	769.80	30.213	65.3	30.312	30.213	63.	45.1	38.5	.176	66.5	10	2.8	..	.3	Light Ci., *W.*
	13	19.8	768.70	30.166	64.5	30.270	30.174	66.5	46.2	40.	.193	68.	10	3.0	..	.4	Light Ci., *W.*
	14	21.1	767.80	30.123	66.5	30.233	30.131	59.	48.2	40.6	.183	65.	20	2.4	..	.6	Light Ci., *W.*
	15	21.7	767.00	30.089	68.4	30.200	30.093	62.5	49.2	40.7	.174	62.	10	2.3	..	.5	Ci., *W.*
	16	21.7	767.00	30.089	68.9	30.200	30.091	....	49.5	41.4	.186	62.3	10	1.0	..	.5	Ci., *W.*
	17	21.2	766.90	30.089	69.	30.192	30.083	....	48.	41.7	.209	67.3	25	.8	..	.3	Ci.
	18	20.5	766.60	30.079	68.	30.170	30.064	....	44.5	41.3	.241	77.5	0	.3	..	..	A few Ci-s.
	19	20.1	766.70	30.086	67.4	30.173	30.069	....	44.	41.5	.251	84.	0	..	..	..	Clear.
	20	21.	766.65	30.070	67.5	30.168	30.064	....	42.4	40.3	.243	87.2	350	..	..	..	Clear.
	21	21.6	766.20	30.058	68.2	30.150	30.044	....	41.7	39.8	.241	89.	0	..	..	..	Clear.
	22	21.7	765.55	30.032	68.6	30.132	30.025	....	43.	41.5	.261	89.2	355	..	..	1.0	?
	23	21.1	765.30	30.025	68.7	30.130	30.022	....	43.7	42.2	.268	89.	355	..	..	1.0	Slight sprinkling of rain.

* Registered 772.95. † Registered 772.90. Observed dew point: 3*h.*, 21°.5; 9*h.*, 27°.6; 15*h.*, 26°.5; 21*h.*, 36°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
3	0	22.	764.05	29.972	69.4	30.072	29.962	....	45.	43.5	.282	90.	355	..	..	1.0	?
	1	22.	763.45	29.948	69.6	30.046	29.936	....	45.4	44.	.288	89.6	353	..	..	1.0	?
	2	23.	762.85	29.920	70.8	30.018	29.904	....	45.7	44.3	.291	90.	355	..	..	1.0	Very slight sprinkling.
	3	23.2	761.85	29.879	71.4	29.988	29.873	....	47.	46.	.315	92.	357	..	..	1.0	N.
	4	24.3	760.90	29.837	73.2	29.948	29.829	....	54.	52.	.378	92.	10	..	..	1.0	N., slight rain.
	5	23.7	760.40	29.821	73.7	29.932	29.812	....	53.5	52.5	.396	92.	5	..	..	1.0	N., slight rain.
	6	22.8	759.90	29.805	73.	29.908	29.789	....	53.5	53.	.409	91.	7	..	..	1.0	N., raining.
	7	22.9	759.80	29.801	72.2	29.908	29.791	....	54.2	53.	.401	92.2	21	..	..	1.0	N., raining.
	8	23.2	759.85	29.800	74.	29.912	29.790	....	55.6	54.5	.422	92.	12	..	..	1.0	Ci., N.
	9	25.	759.45	29.776	75.	29.900	29.775	....	57.5	55.5	.428	90.5	10	2.0	.07	1.0	N., broken, *SW.*
	10	24.7	759.50	29.780	75.2	29.905	29.780	....	58.5	57.	.456	91.	10	3.8	..	1.0	N., broken, *SW.*
	11	24.	758.80	29.755	75.	29.877	29.752	....	59.	57.2	.456	91.	10	2.4	..	1.0	N., broken, *SW.*
	12	23.6	757.70	29.715	74.2	29.836	29.713	....	61.	58.5	.470	89.	10	1.8	..	1.0	N., broken, *SW.*
	13	23.2	756.90	29.684	73.5	29.800	29.680	....	63.	60.	.490	88.	30	2.3	..	1.0	N., broken, *SW.*
	14	23.	756.40	29.666	73.	29.780	29.661	....	64.2	61.2	.511	87.	30	3.1	..	1.0	N., broken, *SW.*
	15	23.	756.30	29.662	73.	29.774	29.655	....	64.7	61.5	.515	86.	30	3.1	..	1.0	N., broken, *SW.*
	16	23.	756.15	29.656	73.	29.765	29.646	....	64.5	61.7	.523	88.8	20	2.5	..	1.0	N., broken, *SW.*
	17	23.	756.15	29.656	73.	29.765	29.646	....	63.	61.	.519	89.5	10	3.0	..	1.0	N., broken, *SW.*
	18	23.	756.15	29.656	72.5	29.763	29.645	....	61.5	60.	.506	90.	355	1.5	..	1.0	N., broken, *SW.*
	19	22.7	756.10	29.655	72.	29.763	29.646	....	60.8	59.	.486	91.1	350	.3	..	..	A few Cu. at Hor.
	20	23.6	756.00	29.647	72.2	29.758	29.641	61.5	59.	58.	.478	91.3	24	1.5	..	..	A few Cu., Ci-s.
	21	25.	755.90	29.637	74.	29.754	29.632	....	60.6	59.3	.496	91.5	0	.4	..	.7	N., Cu.
	22	24.8	755.85	29.631	75.4	29.746	29.622	60.4	60.	58.7	.486	91.5	360	.8	..	.3	A few Ci-cu.
	23	25.7	755.25	29.610	76.3	29.728	29.601	....	61.1	59.8	.505	92.7	0	1.3	..	1.0	Not distinguishable, dark.

Observed dew point: 9*h.*, 54°.5; 21*h.*, 58°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
4	0	25.5	755.80	29.631	76.8	29.708	29.579	....	60.9	59.5	.499	92.3	360	2.5	..	.7	? Dark.
	1	25.4	754.00	29.562	76.9	29.678	29.550	....	60.7	59.4	.499	92.3	355	1.5	..	.8	Cu., ? dark.
	2	25.3	753.80	39.555	76.8	29.666	29.537	....	61.8	60.1	.506	91.3	360	1.3	..	1.0	Cu., ? very dark.
	3	25.7	753.25	29.532	76.7	29.634	29.508	....	63.5	61.5	.428	90.5	0	1.2	..	1.0	Cu., ? very dark.
	4	27.	752.25	29.486	78.	29.586	29.456	....	60.	57.	.440	88.	0	2.7	..	1.0	N., slight drops of rain.
	5	26.6	753.50	29.537	78.6	29.638	29.507	....	65.2	61.5	.509	90.	90	5.7	..	1.0	N., raining.
	6	26.2	753.20	29.527	78.2	29.644	29.514	....	65.5	62.5	.535	87.	25	2.7	.02	1.0	N., slight showers, Cu.
	7	25.4	754.10	29.567	77.4	29.689	29.561	....	64.3	62.	.534	87.	30	3.7	..	1.0	Cu., broken, N., *SW.*
	8	25.7	754.60	29.586	77.2	29.706	29.578	....	64.4	61.9	.530	90.	30	.2	..	1.0	Cu., broken, N., *SW.*
	9	27.3	755.00	29.593	78.5	29.720	29.589	....	64.6	61.9	.527	87.3	20	.2	..	1.0	Cu., broken, N., *SW.*
	10	27.3	754.75	29.584	79.	29.710	29.577	....	64.6	61.6	.519	87.5	30	..	..	1.0	Cu., broken, N., *SW.*
	11	26.8	754.75	29.586	79.	29.710	29.577	....	64.9	62.	.527	88.7	20	.3	..	1.0	Cu., broken, N., *SW.*
	12	25.7	753.75	29.552	78.1	29.676	29.546	....	64.1	62.1	.539	89.	30	.6	..	1.0	Cu., broken, N., *SW.*
	13	25.	752.70	29.513	77.	29.630	29.502	....	65.	62.5	.541	90.	30	.3	..	1.0	Cu., broken, N., *SW.*
	14	24.5	752.00	29.488	76.	29.609	29.484	....	64.4	62.6	.550	91.	0	..	..	1.0	Cu., broken, N., *SW.*
	15	24.	751.40	29.466	75.	29.586	29.464	....	64.6	63.2	.567	91.5	350	..	..	1.0	Cu., broken, N., *SW.*
	16	23.9	751.00	29.450	74.5	29.567	29.446	....	65.	63.5	.572	92.	340	..	..	1.0	Ci., Ci-cu., broken, Cu., *SW.*
	17	23.5	750.50	29.433	74.	29.522	29.402	....	63.9	62.5	.553	92.	335	..	..	1.0	Ci, Ci-cu., broken, Cu., *SW.*
	18	23.2	750.25	29.424	73.5	29.513	29.395	....	63.5	62.5	.557	92.2	335	..	..	1.0	N., Cu., *SW.*
	19	23.	749.65	29.402	73.2	29.480	29.363	....	63.	62.	.548	92.5	330	..	..	1.0	N., Cu., *SW.*
	20	22.7	748.85	29.372	74.3	29.458	29.342	....	62.4	61.5	.540	92.5	3	..	..	1.0	N., Cu., *SW.*
	21	22.5	747.75	29.330	71.8	29.426	29.311	....	61.8	61.	.532	92.5	345	..	..	1.0	N., Cu., *SW.*
	22	22.	746.55	29.285	71.2	29.390	29.278	....	61.1	60.3	.519	92.3	350	.2	..	.2	Cu.
	23	21.7	746.10	29.268	70.7	29.372	29.261	....	60.7	59.6	.504	92.3	3	.6	..	.7	N., Cu.

Observed dew point: 3*h.*, 59°; 9*h.*, 61°; 15*h.*, 62°.6; 21*h.*, 60°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
5	0	21.1	745.85	29.262	69.9	29.358	29.249	....	59.6	58.4	.483	91.	20	.8	..	.2	Ci., Cu.
	1	20.9	745.15	29.235	69.1	29.328	29.221	....	59.5	57.5	.459	88.	40	.1	..	.6	Ci., Cu.
	2	20.5	744.85	29.224	68.4	29.324	29.219	....	59.7	57.9	.468	88.	40	.3	..	1.0	Raining quite hard.
	3	20.	745.40	29.249	67.4	29.336	29.234	....	53.5	51.	.359	84.	111	3.3	.13	1.0	N., no rain, very dark.
	4	19.7	745.50	29.255	67.	29.352	29.250	....	53.	50.2	.345	85.2	67	1.5	.01	1.0	N., no rain, very dark.
	5	19.3	745.70	29.265	66.	29.356	29.257	....	53.	50.5	.353	86.	53	..	..	1.0	N., Cu., no rain.
	6	19.4	747.20	29.322	64.8	29.416	29.320	....	49.5	47.	.310	68.	68	2.0	..	.4	N., *SW.*
	7	17.	748.50	29.384	64.8	29.464	29.368	....	48.	45.2	.226	66.5	60	7.0	..	.6	Cu., Ci., *S.* by *W.*
	8	16.2	750.10	29.452	60.8	29.532	29.446	....	47.2	42.	.226	67.	85	7.5	..	.8	Cu., *SSW.*
	9	15.	751.30	29.505	59.1	29.580	29.500	....	46.4	39.8	.190	67.3	110	4.7	..	1.0	Cu., broken, *WNW.*
	10	14.5	752.10	29.539	58.	29.614	29.536	64.	47.1	39.6	.178	64.5	110	6.2	..	.3	Cu., *NW.*
	11	14.3	753.60	29.598	57.2	29.672	29.597	....	47.2	39.5	.175	64.	110	9.0	..	.7	Cu., *NW.*
	12	14.3	755.10	29.657	56.8	29.728	29.653	....	48.5	40.5	.181	63.3	110	9.5	..	.8	Cu., *NW.*
	13	14.4	755.70	29.681	56.5	29.756	29.682	....	48.6	40.1	.171	62.	110	8.0	..	.7	Cu., *NW.*
	14	14.	757.35	29.748	56.	29.814	29.740	....	47.6	39.8	.176	62.3	110	8.5	..	.7	Cu., *NW.*
	15	14.	759.00	29.812	56.	29.880	29.806	....	46.8	39.3	.174	62.3	110	7.5	..	.9	Cu., *NW.*
	16	14.	760.10	29.856	56.	29.930	29.856	....	46.	38.6	.169	62.7	110	6.0	..	.3	Cu , *NW.*
	17	13.8	761.45	29.909	55.5	29.970	29.898	....	43.8	37.	.165	62.2	70	4.0	..	..	A few scattered Cu.
	18	13.	762.60	29.958	54.1	30.020	29.952	....	42.	36.	.163	64.	110	3.0	..	..	Clear.
	19	12.9	762.70	29.962	54.	30.028	29.960	....	41.5	35.5	.159	64.	120	1.0	..	..	Clear.
	20	12.3	763.85	30.011	52.8	30.066	30.001	....	38.	34.5	.179	68.	100	..	..	..	Clear.
	21	11.5	764.60	30.045	51.7	30.086	30.025	34.8	37.3	34.	.177	73.	100	..	..	..	Clear.
	22	10.8	765.00	30.063	50.8	30.103	30.043	33.7	37.	33.8	.177	72.8	100	..	..	..	Clear.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	..	..	..	..	

* Observed dew point: 3*h.*, 43°; 9*h.*, 29°.6; 15*h.*, 26°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
7	0	16.8	758.85	29.793	61.8	29.866	29.777	39.8	41.1	39.	.231	86.	15	..	..	.1	Cu. at Hor.
	1	15.8	758.10	29.767	60.	29.833	29.748	40.	41.7	39.3	.231	85.	35	..	..	.3	S. at Hor.
	2	14.6	757.60	29.754	58.	29.824	29.745	39.	40.6	38.5	.227	85.4	35	..	..	.2	?
	3	13.2	756.50	29.716	55.8	29.778	29.706	39.3	39.9	38.	.225	86.3	37	..	..	.5	S., ? Cu.
	4	12.8	756.00	29.699	54.8	29.760	29.690	....	40.	38.5	.234	86.2	37	..	..	1.0	N., ? dark.
	5	12.2	755.60	29.687	53.7	29.750	29.684	....	39.5	38.2	.233	87.	37	..	..	1.0	N.
	6	11.5	755.20	29.675	52.2	29.730	29.668	....	40.3	38.8	.236	87.	37	..	..	1.0	S., ? N.
	7	11.5	755.00	29.667	52.	29.714	29.652	....	41.	39.5	.243	87.	37	..	..	1.0	S., ? N.
	8	11.8	754.55	29.648	51.5	29.706	29.646	....	42.5	40.5	.247	85.5	34	..	..	1.0	N.
	9	11.8	754.60	29.650	51.5	29.710	29.650	....	43.2	41.2	.254	86.	35	..	..	1.0	N., slight rain.
	10	12.	754.55	29.648	51.7	29.708	29.648	....	44.5	42.5	.266	87.3	48	..	..	1.0	N., slight rain.
	11	13.1	755.35	29.674	52.8	29.740	29.676	....	47.	44.4	.279	85.5	40	..	..	1.0	N., slight rain.
	12	16.	755.10	29.649	56.	29.730	29.657	....	47.	44.7	.285	87.	35	.8	.02	1.0	N., raining, *SW.*
	13	18.4	753.40	29.572	60.	29.664	29.581	....	47.	45.3	.299	90.	35	1.2	.05	1.0	N., raining, *SW.*
	14	19.8	752.30	29.522	64.	29.623	29.529	....	47.5	46.	.309	91.	60	..	.03	1.0	N., raining, *SW.*
	15	19.8	753.00	29.549	65.	29.645	29.549	....	46.	44.7	.296	90.5	50	.3	.09	1.0	N., raining, *SW.*
	16	19.2	752.40	29.529	65.	29.627	29.531	....	45.7	45.	.306	91.5	70	..	.06	1.0	N., raining, *SW.*
	17	19.8	751.55	29.492	65.	29.582	29.486	....	46.4	45.1	.302	92.	50	..	..	1.0	N., raining, *SW.*
	18	21.2	751.85	29.498	66.8	29.586	29.484	....	46.	45.2	.308	92.	50	..	..	1.0	N., raining, *SW.*
	19	21.5	751.45	29.481	68.	29.572	29.468	....	45.8	45.	.305	92.	50	..	..	1.0	N., raining, *SW.*
	20	21.6	751.45	29.479	67.9	29.572	29.468	....	44.9	44.1	.296	92.	50	..	..	1.0	N., raining, *SW.*
	21	21.3	751.40	29.479	67.	29.562	29.460	....	45.	43.5	.282	90.8	140	.1	.01	1.0	N., Cu., *NW.*
	22	20.7	751.80	29.498	67.	29.578	29.476	....	44.	42.3	.267	89.2	140	..	..	1.0	N., Cu.
	23	21.	751.85	29.498	67.8	29.592	29.488	....	43.	41.3	.258	87.	130	..	..	1.0	N., Cu.

Observed dew point: 3*h.*, 33°.5; 9*h.*, 39°.8; 15*h.*, 43°.8.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
8	0	21.6	751.85	29.495	68.6	29.586	29.481	....	41.	40.	.253	88.	130	..	..	1.0	N., Cu.?
	1	21.6	751.55	29.483	68.9	29.580	29.471	....	40.2	38.	.221	86.	130	.2	..	1.0	N., Cu.
	2	22.4	751.65	29.483	69.7	29.584	29.476	....	39.5	37.5	.220	86.	110	..	..	.6	Ci., Cu.
	3	21.6	751.65	29.487	69.3	29.584	29.476	....	38.5	36.5	.211	83.8	142	..	..	.6	Ci., Cu., *SW.*
	4	21.9	751.75	29.490	69.4	29.592	29.484	....	38.	35.	.189	83.	128	.7	..	.4	Ci., Cu., *SW.*
	5	21.3	752.25	29.513	69.2	29.606	29.499	....	36.	31.5	.151	74.	125	1.5	..	.4	Ci., Cu.
	6	21.3	752.50	29.523	68.3	29.622	29.517	....	34.7	30.5	.147	73.	109	.3	..	.8	Ci., Cu., S., *SW.*
	7	20.5	752.85	29.540	67.7	29.634	29.532	....	33.5	29.1	.136	73.5	70	.7	..	.7	Ci., *SW.*
	8	19.8	753.15	29.556	66.5	29.652	29.548	....	35.2	32.2	.167	75.5	66	.2	..	.1	Ci., *SW.*
	9	19.3	753.00	29.550	65.6	29.650	29.553	....	36.3	32.8	.166	74.	80	..	..	.1	Ci., Ci-cu.
	10	20.4	753.05	29.548	66.	29.644	29.545	....	38.7	33.7	.156	70.2	70	.3	..	.6	Ci., Cu., *W.*
	11	21.	752.75	29.534	67.3	29.634	29.532	....	38.5	33.3	.151	67.	105	2.2	..	.7	Ci., Cu., (1) *WNW.*, (2) *SW.*
	12	19.7	752.35	29.524	66.8	29.620	29.519	60.	34.7	31.3	.160	76.	130	2.5	..	.3	Ci., Cu., (1) *WNW.*, (2) *SW.*
	13	19.	751.65	29.499	65.	29.592	29.496	....	37.8	31.5	.133	64.	100	2.8	..	.8	Ci., Cu., *W.*
	14	18.	751.85	29.512	64.	29.608	29.514	....	31.2	27.7	.136	72.	100	5.3	..	1.0	Cu., Ci., Ci-cu., Ci-s., *W.*
	15	18.1	752.80	29.550	63.	29.635	29.544	....	30.6	25.	.099	62.	100	9.5	..	.9	Cu., Ci., Ci-cu., Ci s., *WSW.*
	16	17.9	753.80	29.589	63.8	29.670	29.577	....	28.	23.	.094	60.	100	9.8	..	1.0	Cu., Ci., Ci cu, Ci-s.
	17	17.3	754.80	29.633	62.8	29.720	29.629	....	27.5	22.	.084	60.	100	7.0	..	.9	Cu., N.
	18	17.6	756.35	29.690	62.5	29.780	29.689	....	26.	20.5	.077	61.	100	8.5	..	.4	Cu., Ci-cu.
	19	17.2	757.00	29.717	62.5	29.804	29.710	....	25.3	20.	.076	62.	100	9.5	..	..	Clear.
	20	13.	759.00	29.816	58.	29.880	29.801	....	23.5	20.	.094	60.	100	13.0	..	..	Clear.
	21	13.9	760.50	29.872	56.	29.938	29.864	23.1	23.	19.	.085	59.2	100	7.5	..	..	Clear.
	22	12.9	762.00	29.934	55.7	30.000	29.927	20.	20.	17.	.086	58.	100	9.0	..	..	Clear.
	23	11.5	763.20	29.989	52.3	30.038	29.977	18.8	19.	19.	.096	57.2	100	10.0	..	..	Clear.

Observed dew point: 3*h.*, 31°.5; 9*h.*, 27°.3.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
9	0	12.	764.45	30.036	53.	30.092	30.026	17.	17.5	16.5	.104	62.	100	8.5	..	..	Clear.
	1	11.8	765.30	30.069	52.7	30.120	30.056	16.	16.	15.	.097	61.5	100	8.0	..	..	Clear.
	2	11.3	766.00	30.100	52.	30.162	30.099	15.	15.	14.5	.100	58.	100	8.0	..	..	Clear.
	3	10.8	766.20	30.111	51.	30.169	30.109	14.5	14.5	14.	.100	58.8	100	7.0	..	..	Clear.
	4	9 5	767.25	30.158	49.2	30.204	30.149	14.	14.	12.	.076	59.2	100	4.0	..	..	Clear.
	5	9	767.50	30.169	48.	30.216	30.164	13.9	13.9	11.5	.070	60.5	135	3.0	..	..	Clear.
	6	10.	768.35	30.198	47.4	30.250	30.200	13.	14.	11.8	.073	62.2	110	1.2	..	..	Clear.
	7	10.2	769 10	30.227	47.9	30.274	30.222	....	14.5	12.5	.078	63.3	110	.2	..	..	Clear.
	8	11.4	769.60	30.244	49.8	30.294	30.238	....	16.	14.5	.089	64.	100	.2	..	..	A few Ci-s.
	9	12.2	770.00	30.251	51.2	30.316	30.255	41.	18.7	15.8	.082	64.	100	.2	..	.1	Cu.
	10	13.8	769.85	30.240	53.5	30.314	30.246	42.	20.5	17.5	.088	64.	70	1.2	..	.1	Cu.
	11	13.8	769.50	30.226	54.4	30.305	30.236	47.	22.2	19.	.093	63.	70	1.3	..	..	A few small Cu.
	12	14.7	768.90	30.199	56.	30.280	30.206	46.3	23.6	21.2	.111	63.5	70	2.2	..	..	Clear.
	13	14.7	767.85	30.157	56.	30.240	30.166	45	26.2	21.7	.092	62.5	60	2.5	..	.1	Ci., Ci-cu.
	14	15.2	767.00	30.120	57.7	30.208	30.129	47.5	27.5	22.7	.094	63.	40	4.0	..	.1	Ci.
	15	14.7	766.30	30.096	57.8	30.174	30.096	44.	28.8	23.7	.096	62.	45	3.3	..	.1	Ci., Ci-cu.
	16	13.8	765.60	30.072	57.	30.150	30.074	42.	28.7	23.8	.098	62.	40	3.0	..	.1	Ci., Ci-cu. in *E*.
	17	14.	765.35	30.062	56.	30.134	30.060	....	28.5	24.	.104	63.3	40	3.0	..	..	Ci-cu.
	18	13.6	764.80	30.042	56.	30.100	30.026	....	27.5	24.	.114	66.2	25	2.4	..	..	Clear.
	19	14.3	765.00	30.046	56.2	30.108	30.034	....	27.5	24.5	.122	68.	25	.5	..	..	Clear.
	20	14.1	764.40	30.024	57.1	30.086	30.010	....	27.	24.	.119	70.1	10	.3	..	..	Clear.
	21	13.	763.25	29.983	55.5	30.040	29.968	27.	27.5	24.5	.122	71.	10	2.0	..	..	Clear.
	22	12.7	763.25	29.984	54 8	30.046	29.975	27.	28.5	25.	.119	71.	30	2.7	..	..	Clear.
	23	13.3	763.20	29.979	55.1	30.042	29.971	27.	28.5	25.	.119	72.8	23	6.0	..	..	Clear.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
10	0	14.9	763.15	29.969	56.2	30.044	29.970	26.4	28.4	25.3	.126	74.	25	.8	..	..	Clear.
	1	16.1	763.00	29.958	57.9	30.040	29.961	26.2	28.3	25.9	.136	75.	25	.2	..	..	Clear.
	2	18.	763.50	29.969	60.7	30.060	29.974	25.8	29.1	25.9	.128	74.5	36	.2	..	..	Clear.
	3	18.8	763.90	29.980	63.6	30.076	29.982	23.	27.5	25.	.130	75.	37	..	..	..	Clear.
	4	18.7	764.20	29.992	63.8	30.092	29.997	22.2	27.	25.3	.140	76.2	37	..	..	..	Clear.
	5	17.2	763.70	29.980	62.3	30.074	29.983	21.3	25.7	23.5	.125	79.5	37	..	..	..	Clear.
	6	18.4	764.00	29.987	62.2	30.074	29.984	22.2	27.	25.	.135	82.2	37	..	..	.4	A few Cu. and Ci's.
	7	17.2	764.55	30.014	61.8	30.088	29.998	....	25.7	24.3	.137	83.	37	..	..	.6	Ci., Ci-cu.
	8	18.	764.10	29.993	61.8	30.094	30.004	....	29.5	27.2	.145	81.5	37	..	..	.4	Ci., Ci-cu.
	9	19.7	765.60	30.044	63.7	30.150	30.056	64.	33.5	29.1	.135	74.5	37	..	..	.1	Ci. in *S.*
	10	19.1	765.60	30.046	64.2	30.150	30.055	68.	36.	30.5	.133	69.3	45	..	..	.1	Ci. in *S.*
	11	19.	765.70	30.051	64.	30.156	30.061	74.	40.	34.	.146	65.3	45	..	..	.1	Ci. in *S.*
	12	19.2	765.25	30.032	64.	30.140	30.045	76.	42.2	36.2	.163	65.7	15	..	..	.1	Ci. in *S.*
	13	21.2	765.00	30.013	66.	30.125	30.024	86.	46.1	39.	.174	63.5	350	..	..	.2	Ci., *W.*
	14	22.	764.90	30.006	68.2	30.122	30.015	80.	48.	40.	.173	61.	345	..	..	.2	Ci., *W.*
	15	22.	764.00	30.006	69.	30.120	30.011	....	48.	40.5	.184	61.	340	..	..	.6	Ci., *W.*
	16	21.6	764.80	30.003	69.1	30.112	30.003	....	46.	40.	.196	61.7	4	..	..	.9	Ci., *W.*
	17	21.	765.25	30.023	68.9	30.126	30.017	....	43.	38.	.189	65.9	5	..	..	1.0	Ci., *W.*
	18	20.2	765.70	30.045	67.3	30.138	30.034	....	41.5	36.	.167	67.2	5	..	..	.9	Ci., Ci-cu., *W.*
	19	19.7	766.20	30.068	66.7	30.154	30.052	....	40.8	36.	.175	67.	5	..	..	..	A little Ci.
	20	19.1	766.85	30.096	64.7	30.180	30.084	....	38.8	34.5	.169	70.	5	..	..	..	A little Ci.
	21	17.6	766.85	30.104	60.9	30.180	30.093	....	38.	35.	.188	71.7	5	..	..	..	Clear.
	22	20.	767.35	30.111	64.	30.200	30.105	29.5	36.5	34.	.186	75.	5	..	..	..	Clear.
	23	20.	767.45	30.115	65.2	30.210	30.112	29.8	35.	32.4	.172	77.	5	..	..	..	Clear.

Observed dew point: 9*h.*, 20°.8; 15*h.*, 27°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
11	0	19.1	767.45	30.119	64.8	30.210	30.112	27.7	33.5	31.2	.171	83.	5	..	..	..	Ci. at Hor.
	1	20.7	768.00	30.134	66.3	30.230	30.128	25.3	33.2	30.5	.162	84.	5	..	..	..	Clear.
	2	23.7	768.05	30.122	70.2	30.235	30.123	27.5	33.7	31.	.165	83.	5	..	..	..	Clear.
	3	22.	767.75	30.118	71.	30.226	30.112	29.	34.	31.5	.171	84.	5	..	..	..	Clear.
	4	21.3	767.80	30.123	69.8	30.234	30.123	31.2	33.5	31.5	.176	83.	5	..	..	..	Slight foggy appearance.
	5	22.	768.10	30.130	69.5	30.239	30.129	....	33.7	31.7	.177	84.	5	..	..	1.0	Heavy fog.
	6	22.7	768.35	30.138	69.2	30.244	30.135	....	34.	32.	.179	85.	5	..	..	1.0	Ci-cu., Cu. ?
	7	23.	768.95	30.161	70.8	30.272	30.156	....	35.2	33.	.181	84.	5	..	..	1.0	Foggy, S.
	8	20.4	768.90	30.170	70.8	30.272	30.156	....	35.5	33.7	.192	84.6	5	..	..	1.0	S., Ci-cu., Ci., S.
	9	20.8	769.00	30.172	69.	30.272	30.163	....	38.	35.7	.201	82.	5	..	..	1.0	Ci., Ci-cu., S.
	10	20.3	768.30	30.148	67.1	30.258	30.153	....	42.8	37.6	.184	74.	120	..	..	.8	Ci., Ci-cu., S.
	11	21.2	768.25	30.142	67.2	30.254	30.149	79.	47.5	41.7	.215	69.	120	..	..	.8	Ci., Ci-cu., S.
	12	20.	767.60	30.121	67.5	30.225	30.120	83.	50.	43.	.213	64.	0	..	..	.7	Ci., Ci-cu., smoky.
	13	20.7	767.35	30.108	67.	30.216	30.113	....	50.9	43.4	.213	64.7	0	..	..	1.0	Ci., Ci-cu., Ci-s.
	14	21.2	766.70	30.081	67.3	30.188	30.083	....	52.7	45.2	.232	64.3	15	..	..	1.0	Ci cu., Ci s.
	15	21.4	766.20	30.060	68.	30.162	30.056	....	52.	44.5	.224	65.	15	..	..	1.0	Ci-cu., Ci s.
	16	21.	766.20	30.061	68.	30.168	30.062	....	50.6	44.5	.239	66.3	20	..	..	1.0	Ci cu., Ci-s.
	17	20.5	765.85	30 049	67.8	30.160	30.054	....	49.	45.	.268	67.9	35	..	..	1.0	Ci-cu., Ci-s.
	18	20.	765.30	30.030	66.8	30.124	30.021	....	46.5	42.	.232	70.	40	..	..	1.0	Ci-cu., Ci-s.
	19	20.	765.70	30.046	66.3	30.140	30.038	....	46.3	42.3	.240	72.	40	..	..	1.0	N. ?
	20	19.2	765.45	30.040	65.3	30.120	30.021	....	44.4	40.5	.225	74.9	40	..	..	1.0	N. ?
	21	18.2	764.75	30.017	64.4	30.100	30.004	....	43.3	40.	.226	79.	40	..	..	1.0	N. ?
	22	18.	764.05	29.991	63.2	30.076	29.983	....	43.	40.5	.241	80.	40	..	..	1.0	N. ?
	23	18.5	763.65	29.972	63.1	30.050	29.957	....	43.6	40.6	.236	80.	40	..	..	1.0	N. ?

Observed dew point: 3*h.*, 28°; 9*h.*, 30°.6; 15*h.*, 35°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
12	0	20.3	763.00	29.938	65.	30.035	29.937	....	43.5	41.	.246	83.	40	..	..	1.0	N. ?
	1	21.8	763.00	29.931	67.5	30.035	29.931	....	43.2	41.7	.264	85.	40	..	..	1.0	A slight drizzle.
	2	21.9	761.65	29.878	68.9	29.978	29.869	....	43.	42.2	.276	85.	39	..	..	1.0	Sprinkling slightly.
	3	20.8	760.50	29.838	68.5	29.940	29.833	....	44.3	43.5	.290	85.	40	..	..	1.0	N., dark.
	4	20.4	760.20	29.829	68.	29.928	29.822	....	44.5	43.8	.294	92.	39	..	..	1.0	N., dark.
	5	22.5	760.70	29.838	69.2	29.956	29.847	....	45.7	45.3	.313	91.5	58	..	.02	1.0	N., dark.
	6	23.4	760.60	29.830	71.5	29.942	29.827	....	47.2	46.5	.323	92.	59	..	.01	1.0	N., slight rain.
	7	21.5	760.45	29.832	70.5	29.940	29.828	....	47.4	46.5	.321	91.	57	..	..	1.0	Foggy.
	8	....	.....	†29.871	....	.....	†29.869	....	†46.1	....	†.317	†91.5	40	..	..	1.0	Foggy.
	9	20.6	761.50	29.862	68.	29.970	29.864	....	47.5	47.	.331	92.5	25	..	..	1.0	Very dense fog.
	10	20.6	761.50	29.878	68.	29.980	29.874	....	48.	47.5	.337	92.5	25	..	..	1.0	Very dense fog.
	11	21.	761.60	29.880	68.2	29.990	29.884	....	49.2	50.2	.370	92.	30	..	..	1.0	Ci., Cu-s.
	12	21.7	761.65	29.879	69.2	29.990	29.881	....	51.6	50.4	.366	91.	30	..	..	1.0	Ci-cu., Ci-s.
	13	21.4	761.65	29.881	69.2	29.990	29.881	....	52.6	50.6	.359	77.	110	..	..	1.0	Ci-cu., Ci-s.
	14	21.6	761.70	29.882	69.2	29.992	29.883	....	54.8	50.7	.336	73.5	125	.3	..	1.0	Ci-s.
	15	21.9	762.25	29.901	69.9	30.006	29.895	....	56.7	51.9	.344	72.4	110	.5	..	1.0	Ci., Cu., Ci-s.
	16	21.5	762.60	29.918	69.7	30.030	29.920	....	57.7	51.8	.331	73.5	135	.1	..	1.0	Ci., Cu , Ci-s.
	17	21.2	763.10	29.938	69.5	30.048	29.938	....	54.5	49.5	.311	75.2	190	..	..	1.0	Ci., Cu., Ci-s.
	18	20.9	764.00	29.975	68.7	30.070	29.963	....	52.	48.	.304	76.	200	..	..	1.0	Ci., Cu., Ci-s.
	*19	20.2	764.50	29.998	67.5	30.090	29.986	....	50.	46.	.281	76.5	200	..	..	..	A little Ci-s.
	20	19.9	764.75	30.009	66.7	30.098	29.996	....	48.	44.	.259	77.	200	..	..	..	A little Ci-s.
	21	19.6	765.25	30.030	66.	30.124	30.023	....	45.7	41.8	.237	78.	223	..	..	.2	S., dark.
	22	19.	765.40	30.039	65.2	30.126	30.028	....	44.	40.5	.229	79.	224	..	..	.3	S., hazy.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	250	..	..	..	

* Fifteen minutes late. † Supplied. Observed dew point: 3*h.*, 39°.5; 9*h.*, 46°.8; 15*h.*, 46°.3.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
14	0	18.	754.40	29.612	64.	29.696	29.602	....	43.5	43.1	.290	91.3	50	.1	..	1.0	N., ? very dark.
	1	19.	754.00	29.591	64.	29.682	29.588	....	43.6	43.3	.294	92.	33	..	..	1.0	N., ? very dark.
	2	21.	754.15	29.589	66.1	29.686	29.587	....	45.2	44.7	.305	92.	41	.2	..	1.0	N., ? very dark.
	3	22.3	754.10	29.581	69.	29.682	29.575	....	45.9	45.2	.309	91.5	55	.2	..	1.0	N., ? very dark.
	4	22.6	753.85	29.570	70.3	29.676	29.566	....	46.2	45.5	.312	91.	49	..	..	1.0	N., ? very dark.
	5	22.6	753.70	29.564	70.8	29.676	29.564	....	44.5	43.7	.292	91.	50	.2	..	1.0	N., ? very dark.
	6	22.8	753.65	29.561	71.2	29.666	29.554	....	44.	43.2	.286	92.2	90	..	..	1.0	N., ? very dark.
	7	21.6	753.75	29.570	70.8	29.670	29.558	....	42.8	42.	.274	91.5	40	..	..	1.0	Dense fog.
	8	20.8	753.85	29.576	69.	29.676	29.569	....	44.5	43.5	.288	91.2	34	..	..	1.0	Dense fog.
	9	20.7	753.65	29.571	68.	29.673	29.569	....	45.2	41.5	.238	78.	90	.2	..	.2	Ci., Cu., Ci-s., *WSW.*
	10	20.3	753.05	29.549	67.5	29.654	29.552	72.	47.6	41.4	.209	69.5	90	1.7	..	.1	Ci., Ci-cu., in *SW.*, *WSW.*
	11	20.7	753.00	29.545	67.2	29 648	29.546	72.5	49.7	41.4	.185	60.5	100	3.0	..	.1	Cu., *W.*
	12	21.	752.50	29.524	67.6	29.630	29.527	....	49.6	40.	.156	55.5	100	4.0	..	.7	Cu., *W.*
	13	20.2	752.30	29.520	67.	29.622	29.520	....	48.5	39.7	.163	56.3	110	6.0	..	.9	Ci., Cu., Ci-s., *W.*
	14	19.3	752.60	29.535	66.	29.643	29.544	....	43.5	36.5	.156	62.	110	6.0	..	.9	Ci., Cu., Ci-s., *W.*
	15	19.7	753.70	29.578	65.7	29.680	29.582	....	42.7	35.5	.145	61.7	110	7.0	..	.7	Ci., Cu., *W.*
	16	20.7	755.00	29.623	66.8	29.730	29.628	....	42.	33.7	.119	57.	...	8.5	..	.6	Cu., *W.* by *N.*
	17	19.6	756.25	29.676	67.	29.770	29.667	....	36.	31.	.142	56.	110	8.0	..	..	A little Cu., *W.*
	18	17.2	757.50	29.737	64.3	29.810	29.714	....	32.5	27.5	.120	57.	110	8.5	..	..	Clear.
	19	16.	758.70	29.790	61.2	29.870	29.783	....	30.2	25.	.103	58.8	110	7.0	..	..	Clear.
	20	16.1	760.00	29.841	60.1	29.912	29.827	....	27.5	23.9	.113	59.	110	7.5	..	.4	Cu., *W.*
	21	14.2	760.80	29.883	58.8	29.944	29.862	24.5	26.	21.5	.092	57.	110	9.0	..	..	Clear.
	22	13.	761.60	29.919	56.	29.982	29.908	24.	24.5	20.5	.092	59.9	110	8.0	..	..	Clear.
	23	11.5	762.00	29.942	53.9	30.000	29.932	22.3	23.	21.2	.118	60.	130	7.0	..	..	Clear.

Observed dew point: 3*h.*, 44°; 9*h.*, 38°; 15*h.*, 20°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
15	0	13.8	763.20	29.977	53.5	30.044	29.977	21.	21.6	17.5	.076	59.	130	8.0	..	..	Clear.
	1	15.8	764.50	30.019	56.7	30.084	30.009	20.9	21.4	17.3	.075	59.	130	7.0	..	..	Clear.
	2	17.3	765.50	30.051	60.	30.136	30.051	20.3	20.8	17.	.078	59.6	110	3.5	..	..	Clear.
	3	15.5	765.65	30.065	60.2	30.138	30.053	19.7	20.3	16.5	.076	60.	140	4.2	..	..	Clear.
	4	15.1	766.60	30.106	58.1	30.174	30.095	19.5	20.	18.	.100	60.	130	3.5	..	..	Clear.
	5	15.7	766.90	30.115	58.2	30.185	30.106	19.3	20.5	17.9	.094	60.1	130	4.0	..	..	Clear.
	6	16.4	767.65	30.140	59.5	30.216	30.133	18.9	20.5	17.5	.088	60.4	140	1.5	..	..	Clear.
	7	16.3	768.15	30.160	59.8	30.236	30.151	....	20.5	17.5	.088	61.	120	.3	..	..	Clear.
	8	16.	769.15	30.200	59.8	30.265	30.180	....	22.5	20.5	.112	62.	110	1.0	..	1.0	Cu., *WNW.*
	9	16.1	769.50	30.214	59.9	30.288	30.203	....	24.3	20.8	.098	61.2	120	..	..	1.0	Cu., *WNW.*
	10	16.2	769.85	30.228	59.3	30.305	30.222	....	26.	22.5	.107	61.	70	.8	..	.9	Cu., *WNW.*
	11	17.	769.80	30.222	60.5	30.312	30.225	....	27.2	23.	.101	61.	100	.1	..	.8	Cu., *WNW.*
	12	18.	769.50	30.205	62.	30.300	30.209	....	28.	24.3	.113	61.7	90	.1	..	.9	Cu., *WNW.*
	13	18.1	768.90	30.181	62.2	30.280	30.189	....	28.6	24.2	.106	61.	115	.5	..	.7	Cu., *WNW.*
	14	19.	768.60	30.165	64.	30.266	30.169	....	30.	25.	.104	60.	110	.1	..	.6	Ci , Cu., (1) *WNW.*, (2) *W.*
	15	18.2	768.20	30.151	63.8	30.254	30.158	....	32.	26.6	.109	60.	100	.3	..	.6	Ci., Cu., (1) *WNW.*, (2) *W.*
	16	17.6	768.10	30.153	62.6	30.250	30.158	....	32.2	27.2	.117	60.	95	..	..	.5	Ci., Cu., (1) *WNW.*, (2) *W.*
	17	17.	768.65	30.178	61.8	30.256	30.166	....	31.3	26.	.107	61.	51	..	..	1.0	Ci., Cu., (1) *WNW.*, (2) *W.*
	18	16.3	768.40	30.171	58.8	30.242	30.160	....	28.	24.	.107	64.	46	..	..	.4	Ci., *WNW.*
	19	17.5	767.90	30.145	61.2	30.226	30.139	....	28.6	25.	.118	66.8	25	..	..	.8	Ci., S.
	20	17.8	767.90	30.144	61.5	30.226	30.136	....	29.2	26.4	.135	67.3	34	..	..	1.0	Ci., S.
	21	17.	767.70	30.140	61.	30.222	30.135	....	28.	25.5	.133	69.	27	..	..	.9	Ci., S.
	22	17.2	767.60	30.134	61.2	30.214	30.127	....	28.	25.5	.133	69.	34	..	..	1.0	N. ?
	23	16.	766.55	30.099	60.7	30.186	30.100	....	28.	24.5	.116	69.	330	..	..	..	

Observed dew point: 15*h.*, 14°.; 21*h.*, 16°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
16	0	15.7	766.35	30.093	59.7	30.168	30.085	....	28.3	25.5	.130	71.5	325	..	..	.3	Ci., Cu., ? hazy.
	*1	17.8	765.35	30.043	61.	30.122	30.035	....	30.	28.3	.158	73.	?	..	..	.3	Ci., Cu., ? hazy.
	2	18.5	764.75	30.016	62.5	30.092	30.001	....	30.2	27.4	.141	74.	?	..	..	.9	Ci., Cu., ? hazy.
	3	17.5	762.45	29.930	62.7	30.018	29.929	....	31.2	29.	.157	76.2	73	..	..	1.0	N. ?
	4	16.2	760.45	29.858	61.8	29.924	29.834	....	30.5	29.4	.171	79.2	265	..	..	1.0	N. ?
	5	16.6	758.95	29.796	61.4	29.900	29.812	....	30.2	29.	.167	78.	260	..	..	1.0	N. ?
	6	17.	757.25	29.729	61.	29.812	29.725	....	30.	29.5	.177	86.	252	..	.01	1.0	N., snowing.
	7	16.3	755.30	29.656	60.	29.732	29.649	....	33.5	32.5	.193	91.5	80	..	.03	1.0	N., snowing.
	8	17.2	753.70	29.589	60.8	29.670	29.584	....	38.7	37.6	.232	90.	58	..	.06	1.0	N., raining.
	9	16.8	751.75	29.515	62.	29.608	29.520	....	41.5	40.5	.258	90.	320	3.0	.03	1.0	N., raining fast, *S.*
	10	17.2	750.00	29.443	62.4	29.535	29.446	....	44.5	43.2	.281	89.	330	9.0	.08	1.0	N., raining fast, *S.*
	11	17.9	748.90	29.397	63.	29.492	29.401	....	44.8	44.	.295	91.	340	7.0	.14	1.0	N., raining fast, *S.*
	12	17.8	746.25	29.292	63.	29.380	29.289	....	45.4	44.1	.291	90.	350	3.0	.18	1.0	N., raining fast, *S.*
	13	18.	743.40	29.179	63.4	29.275	29.183	....	45.7	44.9	.304	91.5	320	2.5	.03	1.0	N., raining fast, *S.*
	14	18.6	740.25	29.054	64.	29.156	29.064	....	45.9	45.1	.307	91.5	290	2.0	.04	1.0	N., raining fast, *S.*
	15	18.	739.05	29.009	64.	29.112	29.020	....	45.4	44.8	.305	92.3	40	..	.04	1.0	N., S., very dense, *WNW.*
	16	17.3	738.75	29.002	63.	29.090	29.001	....	37.5	36.5	.223	90.	120	3.0	.09	1.0	N., (broken,) rain, *NW.*
	17	17.	736.85	28.928	62.	29.020	28.933	....	34.5	33.5	.199	91.	120	3.0	.01	1.0	N., (broken,) rain, *NW.*
	18	17.2	737.30	28.944	61.8	29.020	28.934	....	34.	32.5	.187	90.	120	2.9	..	1.0	N., (broken,) rain, *NW.*
	19	16.5	737.50	28.956	61.3	29.030	28.945	....	33.5	31.5	.176	86.	100	2.8	..	1.0	N., (broken,) snow, *NW.*
	20	16.	737.85	28.971	60.3	29.050	28.968	....	33.	31.8	.186	86.1	110	3.2	..	1.0	N., (broken.)
	21	15.	738.90	29.018	59.	29.084	30.005	....	31.5	30.5	.179	85.1	100	3.5	..	1.0	N., (broken,) slight snow.
	22	14.2	739.95	29.062	56.8	29.120	30.046	....	30.	29.3	.174	80.	80	4.5	..	1.0	N., (broken.)
	23	14.	746.75	29.095	56.7	29.160	30.087	....	28.7	28.2	.169	72.	100	7.0	..	1.0	N., (broken.)

* Twenty minutes late.

Observed dew point: 9*h.*, 40°; 15*h.*, 44°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
17	0	13 9	742.20	29.152	56.	29.222	29.151	....	25.8	22.5	.110	70.	90	9.5	..	..	Clear.
	1	15.	744.10	29.222	57.3	29.296	29.221	....	22.1	18.9	.093	67.	105	12.0	..	..	A little Ci cu.
	2	15.	745.25	29.267	58.	29.340	29.262	20.	20.6	17.6	.089	64.	100	13.0	..	..	A little Ci-cu.
	3	16.2	746.30	29.302	59.3	29 380	29.297	18.7	19.2	15.7	.076	61.5	95	12.0	..	..	
	4	14.2	747.90	29.376	58.3	29.440	29.360	16.5	17.5	13.	.055	64.	105	12.0	..	.1	Ci-cu. ? at Hor.
	5	13.6	748.65	29.410	57.	29.466	29.390	15.6	16.5	13.4	.070	60.	100	14.0	..	.2	Scattered Ci-cu.
	6	13.1	750.25	29.473	55.5	29.530	29.458	15.	16.	13.1	.071	63	90	10.0	..	.3	Cu,, Ci-cu., Ci.
	7	13.3	751.65	29.526	55.3	29.586	29.514	14.5	16.	13.3	.074	64.	90	10.0	..	.6	Cu., Ci-cu., Ci.
	8	12.2	753.00	29.585	54.4	29.656	29.587	17.3	16.	13.3	.074	62.5	110	10.0	..	.6	Ci-cu., Ci.
	9	12.	754.60	29.650	53.2	29.718	29.652	....	16.5	14.	.079	62.	110	12.0	..	.7	Ci-cu., *WNW.*
	10	11.	755.55	29.690	52.	29.752	29.689	....	18.1	15.4	.082	62.	110	10.0	..	.7	Ci-cu., *WNW.*
	11	10.3	756.55	29.733	50.6	29.800	29.741	30.4	19.1	15.8	.078	61.7	90	10.0	..	.8	Ci., *WNW.*
	12	11.6	757.50	29.764	51.5	29.834	29.773	38.	19.5	16.3	.081	62.	90	9.0	..	.7	Ci-cu., *WNW.*
	13	11.	757.75	29.777	51.2	29.843	29.783	36.	20.2	16.9	.082	61.5	90	9.0	..	.6	Ci-cu., *WNW.*
	14	11.8	758.90	29.818	51.2	29.885	29.825	....	22.	18.	.080	60.	90	7.5	..	.7	Ci cu., *WNW.*
	15	13.	759.70	29.844	52.9	29.906	29.840	....	22.5	19.	.090	60.	90	7.0	..	.2	Cu., *WNW.*
	16	13.1	760.85	29.890	53.9	29.948	29 880	....	23.	20.5	.107	60.	90	5.0	..	.1	Cu., *WNW.*
	17	11.6	761.80	29.933	53.3	29 990	29.823	....	22.5	19.5	.097	59.	90	5.5	..	..	Clear.
	18	11.4	763.50	30.001	51.6	30.034	29.973	....	22.	19.	.095	60.3	90	4.3	..	..	Clear.
	19	10.7	764.00	30.024	51.2	30.064	30.004	21.	22.	19.	.095	60.7	90	2.2	..	..	Clear.
	20	11.3	764.95	30.059	50.3	30.098	30.039	20.	21.5	18.5	.092	62.	65	.5	..	..	Clear.
	21	11.8	766.00	30.097	51.3	30.154	30.094	17.3	20.5	18.	.095	65.	68	..	..	..	Clear.
	22	11.6	766.60	30.122	51.3	30.180	30.120	16.8	20.1	18.	.099	65.	75	..	..	..	Clear.
	23	10.7	766.90	30.139	51.	30.202	30.142	....	19.5	18.	.105	64.	75	..	..	..	Misty.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
18	0	10.3	767.30	30.156	50.	30.212	30.154	16.	19.5	16.8	.088	64	105	..	..	.1	Ci-cu., Ci.
	1	9.8	768.00	30.186	48.8	30.226	30.171	15.	19.4	17.9	.105	66.	43	..	..	..	Slight trace of Cu. at *W.*
	2	11.	769.00	30.219	49.4	30.260	30.204	12.8	18.9	17.8	.108	68.	43	..	..	.1	Ci.
	3	14.	769.15	30.211	53.5	30.270	30.203	12.	19.	17.2	.099	67.	43	..	..	..	Clear.
	4	15.5	769.25	30.207	56.2	30.284	30.210	16.	20.	18.5	.107	69.	355	..	..	..	Clear.
	5	13.9	769.90	30.242	56.	30.320	30.246	14.8	20.	18.3	.104	68.	353	..	..	.2	Ci., Ci-cu in *E.*
	6	14.6	769.60	30.224	56.	30.300	30.226	17.6	20.5	19.9	.123	68.	300	..	..	.1	Ci., Ci-cu at Hor.
	7	15.8	770.00	30.231	57.9	30.320	30.241	19.7	21.4	18.9	.099	68.	315	..	..	.8	Ci., Ci-cu., S.
	8	15.5	770.15	30.241	58.2	30.316	30.236	....	23.4	20.5	.103	66.	310	..	..	1.0	Ci., S., Ci-cu.
	9	16.	770.50	30.253	59.	30.340	30.258	....	25.8	22.5	.109	65.3	330	..	..	1.0	Ci-cu., Ci-s., *W.*
	10	17.	770.00	30.230	60.3	30.320	30.234	....	29.6	26.	.124	65.5	330	..	..	1.0	Ci-cu , Ci-s., *W.*
	11	17.	768.90	30.188	61.1	30.280	30.193	....	33.1	28.7	.132	65.7	310	..	..	1.0	Ci-cu., Ci-s., *W.*
	12	16.	767.40	30.132	60.	30.214	30.129	....	41.4	33.	.111	56.	350	1.0	..	.8	Ci-cu., Ci., *W.*
	13	15.	766.80	30.114	59.	30.192	30.110	....	41.5	34.	.129	56.	350	2.5	..	.8	Ci-cu., Ci., *W.*
	14	15.5	766.15	30.085	58.	30.158	30.078	....	....	....	....	....	0	2.5	..	.7	Ci-cu., Ci., *W.*
	15	16.	765.45	30.055	59.	30.130	30.058	....	43.5	35.4	.133	55.	359	2.0	..	1.0	Ci cu.., *W.*
	16	15.5	765.30	30.053	59.	30.132	30.050	....	43.9	36.7	.153	57.	0	1.0	..	1.0	Ci-cu., Ci-s., *W.*
	17	16.2	764.65	30.024	59.	30.008	29.926	....	42.	41.5	.273	74.	345	.9	..	1 0	Ci-cu., Ci-s., *W.*
	18	17.	764.50	30.014	60.5	30.070	29.974	....	43.	40.	.230	76.	354	1.2	..	1.0	Ci-cu., Ci-s., *W.*
	19	18.6	763.25	29.956	62.5	30.040	29.949	....	44.	41.2	.245	85.	345	.2	..	1.0	Ci cu.,? *W.*
	20	18.3	761.75	29.899	64.	29.984	29.889	....	45.5	43.8	.283	88.	350	2.5	..	.4	Cu., *W.*
	21	17.5	761.00	29.873	63.3	29.951	29.860	....	48.6	46.2	.301	86.2	343	4.7	..	1.0	Ci-s.,? Ci., Cu.,? *SW.*
	22	16.4	759.80	29.832	61.8	29.910	29.820	....	50.3	47.8	.318	86.	352	9.0	..	1.0	Ci-s.,? Ci., Cu., *SSW.*
	23	14.9	759.10	29.810	59.7	29.880	29.797	....	49.8	48.	.329	89.	0	7.0	..	1.0	N., Ci., Cu., raining, *SW.*

Observed dew point: 3*h.*, 13°; 9*h.*, 13°; 21*h.*, 46°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
19	0	16.	758.10	29.766	59.	29.820	29.738	....	49.5	48.	.332	89.	350	10.0	.04	1.0	N., Ci cu., raining.
	1	20.4	757.85	29.737	63.9	29.830	29.735	....	49.5	48.5	.344	89.	342	10.0	.04	1.0	N., Ci-cu., raining.
	2	21.3	757.00	29.698	67.9	29.806	29.700	....	50.5	49.5	.356	92.	352	7.0	.08	1.0	Raining.
	3	21.1	756.25	29.669	69.4	29.770	29.660	....	51.3	50.5	.371	92.	300	8.0	.14	1.0	N., raining, Cu.
	4	20.6	754.10	29.589	68.8	29.670	29.563	....	52.2	51.5	.385	92.	350	4.0	.06	1.0	N., raining, Cu.
	5	19.5	751.50	29.491	67.2	29.576	29.474	....	53.8	53.	.405	92.	338	6.5	.10	1.0	N., raining, Cu.
	6	22.	751.75	29.499	66.	29.535	20.436	....	53.5	53.	.408	92.	325	9.0	.04	1.0	N., raining, Cu.
	7	20.4	752.00	29.508	66.5	29.500	29.400	....	54.	53.7	.420	92.	305	12.5	.34	1.0	N., raining, Cu.
	8	....	.....	*29.531	....	.....	*29.479	....	*52.9	....	*.404	*91.8	90	1.2	.12	1.0	N., raining, Cu.
	9	20.2	752.25	29.518	67.2	29.620	29.518	....	53.5	52.5	.396	91.	80	2.0	.01	1.0	N., *W.* [*SW.*
	10	20.9	753.50	29.544	68.	29.648	29.543	....	55.5	51.8	.356	83.	90	.6	..	.9	Cu., Ci cu., (1) *WNW*, (2)
	11	20.2	754.00	29.587	68.	29.684	29.579	....	51.6	48.1	.311	80.	110	3.5	..	1.0	Cu., Ci-cu., *WNW.*
	12	18.2	754.80	29.628	66.	29.720	29.620	....	46.5	40.	.192	69.	110	4.5	..	1.0	Cu., Ci-cu., Ci-s., (1) *WNW.*,
	13	20.	755.40	29.611	65.8	29.740	29.640	....	45.	39.5	.199	70.3	130	6.0	..	.5	Cu., *WNW.* [(2) *WSW.*
	14	19.3	757.30	29.720	65.7	29.820	29.721	....	42.	36.5	.173	68.3	130	6.0	..	.4	Cu., Ci., *W.*
	15	20.2	758.80	29.774	66.	29.880	29.780	....	41.	35.7	.168	64.3	130	5.5	..	..	Cu., Ci., *W.*
	16	21.	760.00	29.818	67.	29.928	29.825	....	39.	32.5	.130	62.	130	4.7	..	.1	Ci., Ci-s in *S.*
	17	20.8	762.00	29.896	68.	29.990	29.884	....	36.8	30.5	.126	59.	130	5.5	..	..	A little Ci-s.
	18	18.	763.40	29.965	65.8	30.056	29.955	....	33.3	30.6	.163	60.	115	5.2	..	..	A little Ci cu. at *S.*
	19	15.5	764.65	30.026	61.7	30.100	30.012	....	32.	26.2	.104	60.	120	3.2	..	..	Clear.
	20	13.4	765.50	30.070	57.7	30.130	30.053	....	30.8	25.5	.105	60.5	115	3.0	..	..	Clear.
	21	13.3	765.55	30.112	55.3	30.180	30.108	....	30.1	24.7	.099	61.	140	2.8	..	..	Clear.
	22	16.7	768.10	30.157	57.6	30.226	30.149	....	28.8	24.9	.115	61.9	125	2.5	..	..	Clear.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	..	2.5	..	..	

* Supplied.

Observed dew point: 3*h.*, 48°; 9*h.*, 52°; 15*h.*, 23°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
21	0	10.	768.35	30.198	46.4	30.240	30.192	....	22.8	22.3	.136	78.	53	2.0	..	..	Clear.
	1	11.1	768.40	30.195	48.4	30.236	30.182	19.	23.4	21.5	.118	76.	53	..	..	..	Clear.
	2	13.3	768.20	30.177	51.	30.230	30.170	17.9	23.4	21.5	.118	76.	53	..	..	..	Clear.
	3	12.9	767.50	30.152	52.5	30.210	30.146	21.	23.5	21.5	.117	74.	53	..	..	..	Clear.
	4	13.6	767.60	30.152	52.8	30.216	30.152	17.	22.6	21.	.118	77.	54	..	..	..	Clear.
	5	13.2	767.45	30.147	52.7	30.200	30.136	18.	22.5	21.	.119	77.	54	..	..	..	Clear.
	6	12.8	767.15	30.138	52.7	30.200	30.136	19.	22.5	21.	.119	77.3	54	..	..	..	Clear.
	7	13.7	767.90	30.164	54.5	30.226	30.157	....	23.5	22.	.124	77.2	54	..	..	..	Clear.
	8	12.8	768.10	30.176	54.	30.232	30.164	....	25.	22.7	.120	75.	54	..	..	..	Clear.
	9	14.	768.40	30.182	54.4	30.256	30.187	....	28.	24.5	.116	71.3	160	..	..	..	Clear.
	10	14.	768.30	30.178	55.	30.253	30.182	....	28.5	25.	.119	71.	130	.1	..	..	Clear.
	11	14.	767.60	30.150	55.	30.220	30.149	65.	30.	25.5	.112	68.7	140	.7	..	..	Clear.
	12	15.	766.80	30.114	56.	30.192	30.118	70.	31.6	27.3	.124	68.3	140	.2	..	.1	Ci-s. in *S.*
	13	16.7	766.80	30.106	58.	30.192	30.113	66.	33.4	28.	.118	65.5	120	.7	..	.1	Ci-s. in *S.*
	14	16.4	765.80	30.068	59.5	30.154	30.071	65.	35.	29.6	.126	65.	120	.2	..	.1	Ci-s. in *S.*
	15	16.	765.70	30.065	59.1	30.150	30.068	68.	35.8	30.5	.135	63.7	110	.3	..	.1	Cu., Ci-s. in *SE.*
	16	16.3	765.60	30.060	59.2	30.142	30.060	61.	35.3	29.3	.120	63.5	110	.1	..	.1	Cu., Ci-s. in *SE.*
	17	17.7	765.20	30.037	60.2	30.130	30.045	....	34.6	29.6	.132	63.5	105	.2	..	.1	Ci-cu., Ci-s. in *S.*
	18	18.4	765.90	30.062	62.3	30.136	30.045	....	32.1	28.9	.146	67.	100	..	..	..	Clear.
	19	18.3	766.15	30.072	62.8	30.136	30.043	....	30.	27.	.137	70.	100	..	..	..	Clear.
	20	17.2	765.90	30.067	62.5	30.130	30.038	....	28.9	26.9	.146	72.	100	..	..	..	A few Ci-s. at Hor.
	21	17.3	765.80	30.063	62.	30.132	30.041	....	28.	26.5	.149	77.	100	..	..	..	A few Ci-s. at Hor.
	22	17.9	765.85	30.063	62.	30.136	30.046	20.	27.6	26.2	.148	76.	105	..	..	..	A few Ci s. at Hor.
	23	16.9	765.65	30.059	61.4	30.130	30.042	19.	26.7	26.1	.155	82.2	100	..	..	..	Clear.

Observed dew point: 3*h.*, 21°.5; 9*h.*, 14°; 15*h.*, 21°; 21*h.*, 21°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
22	0	16.2	765.30	30.049	60.4	30.110	30.024	15.	25.5	25.	.150	83.	100	..	..	..	Very few Ci-s.
	1	15.3	764.75	30.032	59.3	30.098	30.015	19.	25.	24.6	.149	86.	100	..	..	..	Clear.
	2	15.	764.75	30.033	58.	30.093	30.014	18.4	24.6	24.1	.145	85.9	100	..	..	..	Clear.
	3	16.2	764.30	30.010	58.3	30.078	29.998	21.	24.1	23.6	.142	86.7	100	..	..	..	Clear.
	4	17.	764.00	29.994	59.8	30.074	29.989	20.6	24.	23.5	.142	86.	100	..	..	..	Clear.
	5	17.5	763.70	29.979	61.	30.070	29.983	20.6	23.5	23.	.139	85.	99	..	..	..	Clear.
	6	17.4	763.70	29.979	61.7	30.070	29.982	21.	24.	23.	.134	86.	99	..	..	1.0	Ci., Cu.
	7	17.3	764.10	29.996	61.7	30.072	29.984	25.	26.	25.5	.153	88.	110	..	..	1.0	Ci-cu., S.
	8	16.8	764.00	29.995	61.	30.072	29.985	....	27.5	26.5	.154	85.	95	..	..	1.0	Ci., S., Ci-cu.
	9	15.5	763.90	29.996	59.7	30.054	29.971	....	30.	27.7	.148	81.	265	..	..	.7	Ci-cu.
	10	17.	763.85	29.988	59.5	30.054	29.971	....	33.3	30.7	.164	71.	266	..	..	.6	Ci-cu.
	11	18.5	763.80	29.978	61.9	30.050	29.960	69.	35.7	31.5	.153	71.9	340	..	..	.3	Ci-cu., Ci s.
	12	19.5	763.10	29.946	64.	30.045	29.950	71.5	37.2	32.2	.145	69.3	0	..	..	.1	Cu., Ci-s.
	13	19.5	762.50	29.923	65.	30.022	29.924	68.5	38.7	34.2	.165	69.5	15	..	..	.1	Cu., Ci-cu., Ci.
	14	20.6	762.30	29.909	66.	30.017	29.916	70.	39.8	34.3	.154	66.5	85	..	..	.2	Cu.
	15	19.8	762.15	29.908	66.4	30.012	29.910	....	39.8	34.8	.164	67.	70	.1	..	.8	Cu.
	16	19.6	762.50	29.923	66.	30.025	29.924	....	39.1	33.3	.144	66.	?	..	..	1.0	Cu., Ci-s.
	17	19.1	762.50	29.924	65.1	30.025	29.927	....	38.5	33.5	.153	66.	110	.1	..	1.0	Cu., Ci-s.
	18	19.2	763.35	29.957	64.9	30.042	29.944	....	37.	32.5	.152	67.	110	..	..	.9	Cu., Ci-s.
	19	19.2	763.40	29.959	64.9	30.044	29.946	....	36.5	32.	.148	68.	110	..	..	1.0	Cu., Ci-s.
	20	17.1	764.15	30.000	63.	30.054	29.961	....	32.5	30.5	.169	80.3	110	.7	..	.3	Cu., Ci-cu.
	21	16.5	764.40	30.013	61.5	30.070	29.982	....	32.	30.	.166	83.	110	.3	..	.3	Ci-cu.
	22	15.4	764.35	30.016	59.7	30.084	30.000	37.8	31.9	29.7	.162	81.3	120	.4	..	.3	Cu.
	23	15.3	764.55	30.024	58.8	30.090	30.008	30.7	31.6	29.	.153	79.	122	.6	..	.4	Ci-cu.

Observed dew point: 3*h.*, 24°.5; 15*h.*, 31°; 21*h.*, 25°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
23	0	16.	765.05	30.039	58.1	30.100	30.021	28.6	30.9	28.5	.152	78.	120	.2	..	..	Clear.
	1	17.2	765.45	30.049	59.6	30.108	30.025	26.2	30.	27.5	.145	77.2	120	..	..	..	Clear.
	2	17.6	765.75	30.060	61.	30.144	30.057	26.	29.	26.7	.142	78.1	120	..	..	..	Clear.
	3	18.	765.90	30.064	62.3	30.150	30.059	25.6	28.5	26.	.136	79.	120	..	..	..	Clear.
	4	17.1	766.20	30.080	62.	30.144	30.054	26.	28.	25.5	.133	78.8	122	..	..	..	Clear.
	5	16.3	766.50	30.096	61.7	30 168	30.080	25.9	27.7	25.5	.136	79.	123	..	..	..	Clear.
	6	15.2	766.90	30.117	59.5	30.200	30.117	25.	27.1	25.	.134	79.	135	..	..	..	Few S.
	7	14.6	767.20	30.131	58.	30.186	30.107	....	26.2	24.5	.135	80.	135	..	..	..	Very few S.
	8	14.8	767.70	30.151	57.	30.212	30.136	....	28.5	25.7	.131	77.9	133	..	..	..	Clear.
	9	16.	768.00	30.156	58.	30.237	30.158	61.	30.1	27.	.126	76.3	135	..	..	..	Clear.
	10	17.	768.40	30.168	59.2	30.258	30 176	71.5	32.	28.3	.137	74.5	115	..	..	..	Ci.
	11	17.5	768.40	30.165	61.	30.256	30.169	73.	34.	29.8	.141	72.3	115	..	..	.1	Cu., Ci., *W.*
	12	16.	767.85	30.150	61.1	30.233	30.146	....	35.	30.5	.143	70.	70	..	..	.4	Cu., Ci., *W.*
	13	16.8	767.00	30.113	65.3 ?	30.192	30.093	....	37.1	32.1	.143	69.3	45	.2	..	.4	Cu., Ci., *W.*
	14	17.2	766.50	30.091	61.	30.178	30.091	62.5	37.5	32.3	.142	68.5	10	.5	..	.3	Cu., Ci., *W.*
	15	17.	765.90	30.069	61.2	30.158	30.071	55.	38.1	32.8	.145	68.	20	1.0	..	.2	Cu., Ci.
	16	17.	765.90	30.069	61.	30.157	30.070	54.	38.3	33.2	.150	68 3	45	.9	..	.2	Slight Ci.
	17	15.8	765.80	30.070	60.2	30.150	30.065	....	36.5	32.8	.163	68.9	45	1.0	..	.1	Slight Ci.
	18	15.7	765.55	30.060	59.1	30.136	30.052	....	34.	31.	.162	72.3	35	.5	..	.1	Slight Ci.
	19	15.4	765.40	30.056	59.	30.130	30.046	....	33.8	30.8	.160	73.	35	..	..	.4	Ci-cu.
	20	14.3	765.50	30.065	57.4	30.134	30.057	....	32.5	30.4	.167	75.8	35	..	..	1.0	Ci-cu.
	21	14.5	765.90	30.081	56.5	30.142	30.067	....	32.7	30.5	.167	75.2	35	..	..	.9	Ci-cu.
	22	15.6	766.20	30.087	57.1	30.152	30.076	....	32.5	30.5	.169	75.2	35	..	..	1.0	Ci-cu.
	23	16.8	765.90	30.070	59.	30.158	30.068	....	31.5	30.	.171	76.5	35	..	..	.9	Ci-cu.

Observed dew point: 9*h.*, 22°; 15*h.*, 22°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
24	0	17.3	765.80	39.063	60.4	30.146	30.060	....	30.5	28.4	.154	77.	35	..	..	..	Clear.
	1	17.8	765.65	30.055	61.2	30.140	30.053	....	30.6	28.5	.155	77.2	30	..	..	..	Clear.
	2	17.1	765.20	30.040	61.1	30.124	30.037	31.7	30.7	28.6	.156	78.	20	..	..	..	Clear.
	3	16.	765.10	30.041	59.	30.116	30.034	27.4	29.5	28.5	.166	80.	20	..	..	..	Clear.
	4	17.	765.20	30.041	60.	30.122	30.037	23.3	28.5	27.	.152	85.	20	..	..	..	Clear.
	5	17.3	765.40	30.047	60.5	30.127	30.041	23.3	28.4	27.	.153	85.	20	..	..	..	Clear.
	6	17.6	765.60	30.054	61.	30.132	30.043	23.3	28.	27.	.157	86.	20	..	..	..	A few Ci-cu.
	7	17.8	765.90	30.065	61.8	30.150	30.061	....	28.2	27.3	.159	86.	20	..	..	..	Clear.
	8	16.8	766.00	30.074	61.	30.154	30.067	....	32.	30.	.166	82.2	20	..	..	.3	Ci., Ci-cu.
	9	17.9	766.40	30.085	61.5	30.180	30.092	68.	35.6	32.6	.170	79.3	20	..	..	.7	Ci., *W.*
	10	18.	766.50	30.088	62.2	30.180	30.090	....	38.5	35.	.182	77.	20	..	..	.8	Ci., Ci-cu., Ci-s., *W.*
	11	18.7	766.50	30.085	63.	30.180	30.087	....	40.8	36.5	.185	75.	20	..	..	.7	Ci, Ci-cu., Ci-s., *W.*
	12	18.7	766.30	30.077	63.5	30.170	30.076	78.	43.6	38.6	.195	72.7	20	..	..	.3	Light Ci-s.
	13	19.	765.90	30.059	63.8	30.154	30.059	77.5	45.3	40.1	.206	71.	20	..	..	.3	Light Ci-s.
	14	19.4	765.70	30.049	64.5	30.150	30.054	77.	47.1	41.6	.217	70.	20	..	..	.3	Ci-s., haze.
	15	19.6	765.60	30.044	64.9	30.140	30.042	....	48.4	43.	.231	69.2	20	..	..	1.0	Ci-s., haze, Ci.
	16	19.6	765.60	30.044	65.1	30.140	30.042	....	48.5	43.5	.242	68.4	20	..	..	1.0	Ci-s., haze.
	17	19.4	765.90	30.057	65.	30.152	30.054	....	47.	43.	.247	71.	20	..	..	1.0	Ci-s., haze.
	18	18.8	766.60	30.087	64.7	30.170	30.072	....	43.5	40.5	.235	72.	20	..	..	1.0	Ci-s., haze.
	19	18.6	766.75	30.095	64.2	30.176	30.081	....	42.5	39.5	.226	74.	20	..	..	1.0	Ci-s., haze.
	20	17.2	767.30	30.122	62.4	30.198	30.107	....	39.	36.	.196	77.8	20	..	..	.8	Ci-s., haze.
	21	17.	767.70	30.140	61.7	30.210	30.120	....	38.5	36.	.202	80.8	20	..	..	.6	Ci-s., haze.
	22	17.2	768.15	30.156	61.8	30.230	30.140	....	35.5	34.	.197	86.	272	..	..	..	Clear.
	23	16.1	768.15	30.162	60.8	30.232	30.145	....	38.3	35.	.184	81.5	272	..	..	..	Clear.

Observed dew point: 3*h.*, 27°.5; 9*h.*, 27°.5; 15*h.*, 36°; 21*h.*, 32°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
25	0	16.9	768.60	30.176	60.6	30.250	30.164	34.7	37.	34.5	.190	83.	270	..	..	..	Clear.
	1	17.9	768.85	30.181	61.6	30.264	30.176	34.1	36.2	34.	.189	84.9	245	..	..	..	Clear.
	2	18.1	769.10	30.188	62.3	30.280	30.189	33.	35.5	33.6	.189	86.2	240	..	..	..	Clear.
	3	17.7	769.20	30.195	62.3	30.276	30.185	33.2	36.9	32.7	.156	79.	240	.1	..	..	Clear.
	4	16.7	769.50	30.211	61.2	30.288	30.199	34.8	36.7	33.5	.173	80.	242	.7	..	..	Clear.
	5	16.	769.90	30.229	59.6	30.308	30.224	34.2	36.6	34.	.184	79.	240	1.3	..	..	Clear.
	6	....	.....	*30.234	....	.....	*30.231	....	*35.4	....	*.182	*75.5	240	1.6	..	..	Clear.
	7	16.1	771.15	30.278	59.2	30.358	30.275	....	34.5	32.	.171	79.	242	2.2	..	..	A few Ci-s.
	8	16.	771.80	30.304	59.1	30.376	30.293	....	35.3	32.6	.173	81.	245	2.0	..	..	Clear.
	9	16.	772.40	30.327	59.	30.414	30.331	....	37.4	34.5	.185	82.7	250	1.4	..	..	Hazy.
	10	16.6	772.50	30.329	59.8	30.418	30.333	....	40.5	37.5	.208	83.	255	1.9	..	.8	Ci-cu., Ci s.
	11	18.	772.65	30.328	61.3	30 422	30.332	....	43.1	38.6	.201	78.	275	2.5	..	.9	Ci-cu., Ci-s., Cu.
	12	18.	772.40	30.318	62.	30.412	30.321	....	44.	39.	.198	76.	255	2.8	..	1.0	Ci-s.
	13	17.	772.00	30.308	62.	30.400	30.309	....	42.8	38.5	.202	77.5	250	2.4	..	1.0	Ci s.
	14	16.5	771.60	30.294	61.	30.380	30.291	....	41.7	38.1	.206	80.3	250	2.0	..	1.0	Ci-s., Ci-cu.
	15	17.	771.50	30.289	61.	30.376	30.287	....	41.2	38.1	.212	82.	250	1.8	..	1.0	Ci-s., Ci cu.
	16	17.2	771.20	30.275	61.4	30.362	30.272	....	40.1	37.5	.212	84.5	245	1.8	..	1.0	Ci-s., Ci-cu.
	17	17.4	771.20	30.274	61.7	30.362	30.273	....	41.	38.4	.220	85.	255	.7	..	1.0	Ci-s., Ci-cu.
	18	16.9	771.35	30.283	61.2	30.366	30.278	....	40.	37.8	.220	86.4	258	1.1	..	1.0	Ci-s., Ci-cu.
	19	17.	771.35	30.283	60.9	30.366	30.278	....	39.2	37.4	.220	89.1	258	1.2	..	1.0	Ci-s., hazy.
	20	17.4	771.35	30.280	62.1	30.366	30.276	....	38.	37.	.227	92.2	255	1.5	..	1.0	Ci-s., hazy.
	21	18.8	771.35	30.273	63.5	30.366	30.272	....	37.4	36.7	.227	92.8	255	1.6	..	1.0	Ci s., hazy.
	22	17.3	771.30	30.278	63.7	30.364	30.270	....	37.	36.5	.228	93.	255	1.4	..	1.0	Ci-s., N., rain.
	23	17.9	770.70	30.251	63.	30.340	30.246	....	36.6	36.	.223	93.	245	1.4	..	1.0	Ci s., N., rain.

* Supplied.

Observed dew point: 9*h*., 32°; 15*h*., 33°.7.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
26	0	17.9	770.25	30.234	62.7	30.330	30.238	....	37.1	36.5	.227	92.5	240	1.8	..	1.0	N., misting rain.
	1	18.1	769.80	30.216	62.8	30.310	30.218	....	37.7	37.	.230	92.7	252	1.7	..	1.0	N., misting rain.
	2	18.3	769.20	30.191	63.	30.280	30.186	....	37.7	37.2	.234	93.	250	2.3	..	1.0	N., misting rain.
	3	18.2	768.80	30.176	62.9	30.256	30.162	....	38.	37.7	.241	93.	244	2.0	..	1.0	N., misting rain.
	4	20.	768.50	30.156	64.6	30.240	30.142	....	38.8	38.3	.243	93.	235	2.2	..	1.0	N., raining.
	5	20.6	768.15	30.141	66.5	30.234	30 131	....	39.	38.6	.247	93.	240	2.2	.04	1.0	N., misting rain.
	6	20.4	767.75	30.125	67.	30.220	30.117	....	39.2	38.6	.245	93.	258	2.8	..	1.0	N., misting rain.
	7	19.9	767.50	30.117	67.	30.210	30.107	....	39.2	38.6	.245	93.	245	3.7	..	1.0	N., drizzle.
	8	18.7	767.10	30.108	65.6	30.205	30.105	....	39.5	38.7	.244	92.2	240	3.5	.07	1.0	N., rain.
	9	17.9	766.75	30.099	64.	30.186	30.091	....	39.7	39.	.247	92.	242	4.0	.04	1.0	N., rain.
	10	17.1	765.50	30.052	62.9	30.150	30.057	....	40.	39.2	.248	91.9	244	3.3	.03	1.0	N., rain.
	11	17.6	764.40	30.007	62.5	30.115	30.021	....	40.6	39.7	.252	91.8	250	.5	..	1.0	N., drizzle.
	12	18.8	763.35	29.958	63.6	30.050	29.956	....	41.1	40.7	.266	93.	250	3.7	.07	1.0	N., rain.
	13	19.2	763.60	29.967	65.	30.068	29.970	....	41.5	41.	.268	92.	190	3.6	.19	1.0	N., rain, *NE.*
	14	18.7	761.60	29.892	64.8	29.985	29.887	....	40.3	39.5	.251	90.	200	3.7	.13	1.0	Cu., Ci-cu., Ci-s., (1) *N.*, (2)
	15	18.7	761.30	29.880	64.1	29.975	29.880	....	41.5	40.	.253	89.	210	1.6	..	1.0	Ci-s., N., *NE.* [*WSW.*
	16	18.7	761.20	29.876	64.	29.972	29.877	....	41.6	40.4	.255	90.	225	2.5	..	1.0	Ci-s., N.
	17	19.	761.20	29.874	64.5	29.972	29.876	....	40.6	39.7	.252	91.	215	1.0	..	1.0	Ci-s., N.
	18	18.3	761.20	29.877	64.1	29.972	29.877	....	39.5	39.	.249	92.2	215	.2	..	1.0	Ci-s., N.
	19	18.3	763.35	29.961	63.7	30.000	29.905	....	38.1	37.7	.240	92.2	130	..	..	1.0	Drizzling, N.
	20	17.7	762.00	29.911	62.8	29.990	29.897	....	38.	37.3	.232	92.2	170	..	..	1.0	Drizzling, N.
	21	17.	761.70	29.904	61.8	29.968	29.878	....	37.7	37.	.230	92.2	190	..	..	1.0	Drizzling, N.
	22	16.7	761.65	29.903	61.2	29.960	29.873	....	37.7	37.	.230	91.9	210	..	..	..	Clear.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	..	..	..	..	Clear.

Observed dew point: 21*h.*, 36°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
28	0	14.8	764.25	30.015	57.9	30.074	29.995	....	40.6	37.1	.199	78.	97	.1	..	.2	S.
	1	13.5	763.80	30.002	55.9	30.064	29.990	37.6	40.	37.	.204	78.2	105	..	..	..	Clear.
	2	12.7	763.60	29.998	54.3	30.050	29.981	35.7	38.6	36.2	.204	80.6	101	..	..	..	Clear.
	3	12.	763.50	29.998	53.3	30.046	29.979	34.3	37.6	36.	.212	81.2	100	..	..	..	Clear.
	4	11.	763.30	29.994	51.6	30.050	29.989	34.	38.1	35.5	.196	80.	130	..	..	..	Clear.
	5	10.9	763.55	30.005	50.8	30.060	30.000	31.6	36.3	34.4	.195	82.	130	..	..	..	Clear.
	6	11.8	764.10	30.022	50.5	30.070	30.011	30.2	36.5	34.5	.195	82.	130	..	..	.4	Few S.
	7	15.	765.00	30.042	54.2	30.116	30.048	....	37.1	35.	.197	82.	127	..	..	..	Ci-s., Ci-cu.
	8	17.	765.70	30.061	57.8	30.120	30.041	....	40.3	37.3	.206	80.	130	..	..	..	Ci s., Ci-cu.
	9	19.2	765.90	30.058	62.	30.150	30.060	....	43.6	39.1	.206	76.	120	..	..	.1	Ci., Ci-cu.
	10	19.2	766.30	30.074	64.	30.170	30.075	73.	45.	40.	.208	74.3	140	.3	..	.1	Ci., Cu.
	11	19.4	766.05	30.063	64.6	30.160	30.064	72.5	46.2	40.5	.206	72.	150	.5	..	.1	Ci., Cu.
	12	19.6	766.10	30.064	65.	30.162	30.064	80.5	48.2	42.2	.218	71.	145	.3	..	.3	Ci., Cu., *W.*
	13	20.2	765.80	30.049	65.5	30.150	30.051	83.	49.	42.8	.221	70.	145	.2	..	.2	Ci., Cu., *W.*
	14	22.	765.65	30.035	67.8	30.140	30.035	82.	50.3	44.	.233	69.	120	..	..	.3	Ci-s., Cu., *W.*
	15	23.3	765.90	30.038	70.	30.158	30.048	78.5	51.5	45.3	.248	68.7	120	..	..	.6	Ci., Ci-s., Cu., *W.*
	16	25.2	766.45	30.051	73.2	30.176	30.056	....	51.8	46.	.261	68.	120	..	..	1.0	Ci., Ci-s., Cu., *W.*
	17	22.9	766.60	30.069	74.4	30.178	30.055	....	49.9	45.5	.270	73.	75	..	..	1.0	Ci., Ci-s., Cu.
	18	23.8	766.60	30.063	73.1	30.178	30.059	....	48.1	44.3	.264	73.5	?	..	..	1.0	Ci., Ci-s., Cu.
	19	22.1	766.60	30.071	71.5	30.178	30.063	....	45.5	40.	.201	78.2	300	.2	..	.3	Ci-s.
	20	21.7	766.60	30.074	70.1	30.178	30.067	....	43.	41.5	.262	81.	300	.5	..	..	Clear.
	21	21.7	767.30	30.101	69.6	30.186	30.076	....	41.5	39.2	.231	82.	330	..	..	.2	Ci-s.
	22	22.	767.60	30.110	69.2	30.202	30.093	....	41.5	39.5	.237	83.9	330	..	..	1.0	?
	23	21.7	768.00	30.129	69.5	30.220	30.110	....	41.5	40.5	.258	85.2	330	..	..	1.0	Cu., N.

Observed dew point: 3*h.*, 32°.3; 9*h.*, 33°.5; 15*h.*, 36°.3.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
1	0	20.8	768.00	30.133	69.	30.228	30.119	....	41.5	40.	.247	87.2	330	..	.02	1 0	N., raining.
	1	20.1	767.60	30.121	67.5	30.208	30.104	....	41.8	40.5	.254	90.	330	..	.01	1.0	N., raining.
	2	19.8	767.40	30.115	65.9	30.200	30.099	....	41.5	40.5	.258	90.2	330	..	..	1.0	N.
	3	19.6	767.20	30.107	65.7	30.194	30.095	....	41.7	40.7	.261	90.2	327	..	..	1.0	Ci cu.
	4	19.3	767.05	30.102	65.5	30.184	30.085	....	42.	41.	.264	90.3	322	..	..	1.0	Ci-cu.
	5	18.3	766.70	30.094	64.7	30.178	30.082	....	41.8	40.7	.259	90.5	322	..	..	1.0	Ci-cu.
	6	19.8	767.00	30.099	65.	30.184	30.086	....	42.3	41.2	.264	89.4	322	..	..	1.0	Ci-cu., Ci s.
	7	20.4	767.05	30.098	66.	30.190	30.089	....	41.6	40.5	.257	92.	322	..	..	1.0	Ci-cu , Ci-s.
	8	21.5	767.70	30.119	67.8	30.216	30.110	....	42.3	41.5	.270	92.	322	..	..	1.0	Ci-cu., Ci-s.
	9	21.	767.50	30.112	68.9	30.214	30.105	....	44.8	43.2	.277	88.7	330	..	..	1.0	Ci-cu., Ci-s., *W.*
	10	20.9	766.90	30.090	68.	30.193	30.087	....	47.4	45.5	.299	88.	330	..	..	1.0	Ci-cu., Ci-s., *W.*
	11	20.8	766.65	30.080	68.	30.184	30.078	....	49.7	47.4	.316	86.	330	..	..	1.0	Ci-cu., Cu., Ci-s., *W.*
	12	20.2	765.75	30 047	67.4	30.150	30.046	....	52.8	48.3	.302	79.	330	..	..	1.0	Ci-cu., Cu., Ci-s., *W.*
	13	20.6	765.10	30.019	67.6	30.120	30.016	....	55.	49.5	.305	76.	10	.2	..	1.0	Ci-cu., *W.* by *S.*
	14	21.	764.10	29.978	68.	30.084	29.978	....	56.3	50.	.302	73.	15	.2	..	.3	Ci-cu., *W.* by *S.*
	15	21.3	763.60	29.957	68.9	30.060	29.951	....	57.8	51.1	.313	72.7	25	.1	..	.3	Ci-cu., Ci.
	16	21.	763.30	29.946	68.7	30.054	29.947	....	57.7	51.5	.323	73.3	25	..	..	.2	Cu., Ci., Ci-s.
	17	21.1	763.00	29.934	68.7	30.042	29.935	....	56.	50.9	.328	75.	10	..	..	.1	Cu., Ci., Ci-s.
	18	20.6	762.70	29.925	68.2	30.020	29.914	....	53.	49.4	.326	77.	340	..	..	1.0	Cu., Ci-cu., Ci-s.
	19	21.2	762.15	29.901	68.1	30.000	29.894	....	51.5	50.2	.361	83.	310	.7	..	1.0	Cu., Ci-cu.
	20	21.8	762.15	29.898	69.1	30.000	29.891	....	50.	48.	.327	88.	308	.4	..	1.0	Ci-s., N.
	21	21.2	761.80	29.887	68.9	29.986	29.877	....	49.5	47.5	.321	88.	320	..	..	1.0	Ci-s., N.
	22	20.9	761.00	29.857	68.7	29.955	29.849	....	49.4	47.9	.330	91.	325	..	..	1.0	Ci-s., N.
	23	20.	760.45	29.840	67.4	29.925	29.822	....	49.2	48.	.336	92.	325	..	..	1.0	Raining very little.

Observed dew point: 9*h.*, 43°; 15*h.*, 46°; 21*h.*, 45°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
2	0	20.3	760.05	29.823	66.9	29.925	29.823	....	48.5	48.	.314	92.9	325	..	..	..	Raining.
	1	21.3	759.40	29.792	68.	29.900	29.794	....	48.5	48.	.344	92.7	325	..	..	..	Misty.
	2	21.8	758.40	29.751	68.9	29.848	29.739	....	48.1	47.7	.341	92.9	325	..	..	..	Misty.
	3	21.6	757.65	29.722	69.2	29.820	29.711	....	48.	47.6	.340	92.5	323	..	..	1.0	N., S.
	4	23.6	757.50	29.707	71.	29.820	29.706	....	48.5	47.7	.336	92.7	323	..	..	1.0	Thick fog, N.
	5	23.5	757.35	29.701	72.	29.814	29.697	....	48.5	47.9	.340	92.7	323	..	..	1.0	Thick fog, N.
	6	23.5	757.15	29.693	73.	29.808	29.689	....	48.5	48.	.343	92.3	323	..	..	1.0	Thick fog, N.
	7	23.2	757.00	29.688	72.7	29.800	29.682	....	48.5	48.	.343	92.7	323	..	..	1.0	Thick fog, N.
	8	22.6	756.45	29.670	72.	29.780	29.663	....	49.	48.7	.354	92.3	324	..	.01	1.0	A little rain, thick fog, N.
	9	22.2	755.50	29.635	71.2	29.747	29.635	....	49.8	49.2	.356	93.	325	..	.03	1.0	Thick fog, rain.
	10	21.8	754.55	29.601	70.8	29.706	29.594	....	50.5	49.8	.363	92.7	325	..	.03	1.0	Thick fog, rain.
	11	21.8	753.70	29.567	70.5	29.640	29.530	....	53.6	52.	.382	92.7	325	..	..	1.0	Thick fog.
	12	21.9	752.25	29.510	70.2	20.610	39.501	....	54.7	53.8	.415	92.7	325	..	..	1.0	Thick fog.
	13	22.	751.10	29.464	70.2	29.574	29.465	....	57.7	56.7	.458	92.5	350	..	..	1.0	Thick fog.
	14	22.4	750.15	29.424	71.	29.540	29.428	....	60.	59.4	.506	93.	30	.5	..	1.0	N., slight rain, *SW.*
	15	22.8	749.00	29.377	71.7	29.492	29.379	....	61.7	60.5	.519	92.	25	.3	..	1.0	N., *SW.*
	16	23.	749.25	29.386	72.	29.498	29.383	....	63.2	61.	.517	89.	40	.2	..	1.0	N., Ci-cu., Ci-s., *SW.*
	17	23.	748.70	29.365	72.2	29.463	29.348	....	63.	60.5	.505	88.2	35	.8	..	1.0	N., Cu., Ci-s., *SW.*
	18	23.	749.30	29.388	72.2	29.498	29.383	....	62.	60.	.501	89.	40	.7	.01	1.0	N., Ci-cu., Ci-s., *SW.*
	19	22.7	749.20	29.385	72.1	29.494	29.379	....	61.7	59.3	.485	90.	45	.2	..	1.0	N., Ci-cu., Ci-s.
	20	22.	750.00	29.421	71.5	29.514	29.401	....	59.5	57.5	.459	90.2	40	.3	..	..	Clear.
	21	21.7	750.25	29.432	70.5	29.512	29.402	....	59.5	57.5	.459	90.	40	.1	..	..	Clear.
	22	21.1	750.50	29.445	69.9	29.541	29.432	....	58.	56.4	.446	91.2	50	..	..	..	Clear.
	23	20.9	750.90	29.462	69.1	29.548	29.441	57.7	57.7	56.	.439	91.	60	.1	..	..	Clear.

Observed dew point: 3*h.*, 48°; 9*h.*, 47°.8; 15*h.*, 60°.5; 21*h.*, 56°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
3	0	20.8	750.85	29.460	68.5	29.556	29.451	56.5	56.6	55.	.424	91.	48	.1	..	..	Clear.
	1	21.	751.50	29.484	68.3	29.576	29.471	54.8	56.	54.3	.413	91.	50	..	..	.1	S.
	2	21.7	753.00	29.540	69.	29.626	29.519	53.	54.5	53.	.397	91.4	47	..	..	.2	Ci-s., Ci-cu.
	3	22.2	753.80	29.569	69.8	29.678	29.569	....	57.7	53.2	.364	81.	130	..	..	.8	Ci-s., Ci-cu.
	4	22.8	754.95	29.612	70.6	29.722	29.612	....	56.2	52.	.354	80.	120	..	..	.8	Ci-s., Ci-cu.
	5	23.4	756.10	29.654	71.4	29.766	29.653	....	54.8	49.6	.311	69.	90	..	..	.7	Ci-s., Ci-cu.
	6	24.	757.25	29.695	72.4	29.806	29.690	....	53.5	47.	.265	68.	85	..	..	.7	Ci-s., Ci cu.
	7	24.	757.85	29.719	73.	29.828	29.711	....	53.	46.	.249	68.	85	..	..	.7	Ci-s., Ci-cu.
	8	24.	758.45	29.742	73.2	29.856	29.739	....	55.5	47.6	.257	67.	85	..	..	.2	Ci-s. at Hor.
	9	24.	758.90	29.759	73.	29.876	29.757	....	57.8	51.6	.326	72.5	35	..	..	.1	Ci., Ci-cu.
	10	23.5	758.80	29.758	73.	29.870	29.751	89.	60.	53.5	.349	73.7	40	.1	..	.1	Ci., Ci cu.
	11	23.	758.50	29.749	72.3	29.860	29.742	89.	63.5	55.7	.367	72.	35	.2	..	.3	Ci., Ci-cu.
	12	23.3	758.10	29.731	72.3	29.850	29.732	88.	65.5	56.7	.372	70.	35	.4	..	..	Ci. in *S.*
	13	23.7	757.75	29.717	72.7	29.830	29.712	94.	68.4	57.8	.369	66.	80	1.2	..	..	Ci., Cu.
	14	24.	757.10	29.688	73.2	29.806	29.686	93.	70.	59.5	.399	65.7	40	1.4	..	..	Ci., Cu.
	15	24.5	757.35	29.697	74.	29.814	29.692	86.	70.5	59.7	.399	65.3	40	1.0	..	.1	Ci., Cu.
	16	24.8	757.55	29.704	74.7	29.822	29.699	88.	70.8	61.5	.448	65.	35	1.5	..	.8	Ci., Cu.
	17	25.	757.85	29.714	75.	29.834	29.709	....	69.	60.5	.438	66.	40	.5	..	..	Cu. at Hor.
	18	25.5	758.00	29.716	75.7	29.840	29.714	....	63.7	58.7	.445	73.	40	.1	..	..	Clear.
	19	25.6	758.40	29.732	75.8	29.852	29.725	....	62.5	57.5	.426	74.	40	..	..	..	Clear.
	20	25.4	758.60	29.742	76.1	29.860	29.733	....	60.	56.2	.419	78.	40	..	..	..	Clear.
	21	25.1	758.00	29.743	75.9	29.860	29.733	....	58.8	55.	.400	79.	40	..	..	..	Clear.
	22	25.	758.75	29.749	75.7	29.860	29.734	....	57.5	54.	.389	81.	33	..	..	..	Clear.
	23	24.7	758.60	29.745	75.	29.856	29.731	57.	56.9	53.5	.383	84.	30	..	..	..	Clear.

Observed dew point: 3*h*., 48.5°; 9*h*., 46°.5; 21*h*., 52°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
4	0	24.2	758.35	29.737	74.5	29.840	29.717	55.8	55.6	53.	.385	86.	30	..	..	..	Clear.
	1	24.	758.25	29.733	74.	29.844	29.722	53.2	55.	52.7	.383	87.2	30	..	..	..	Clear.
	2	23.9	757.85	29.719	73.6	29.828	29.708	53.8	54.5	52.4	.381	89.	30	..	..	.3	Few S.
	3	23.8	757.60	29.709	73.3	29.816	29.696	50.5	54.5	52.5	.385	88.	30	..	..	.1	Ci-s. at Hor.
	4	23.8	757.60	29.709	73.3	29.818	29.698	....	53.	51.5	.376	90.	30	..	..	.6	Ci-cu.
	5	23.7	757.65	29.713	73.2	29.820	29.700	....	52.7	51.2	.372	91.	30	..	..	1.0	Ci-cu.
	6	23.3	757.35	29.702	72.7	29.812	29.694	....	56.	51.	.406	90.	30	..	..	1.0	Ci-cu., Cu.
	7	23.3	758.15	29.733	72.8	29.842	29.724	....	57.	54.5	.407	90.	30	.2	..	1.0	Ci-cu.
	8	23.4	758.65	29.753	72.	29.868	29.749	....	59.5	57.	.445	87.5	55	.1	..	.9	Ci-s., Ci-cu.
	9	24.	758.85	29.757	73.2	29.870	29.751	....	62.5	59.	.467	85.5	35	..	..	.5	Ci-s., Ci-cu.
	10	23.7	758.60	29.750	73.2	29.868	29.749	88.5	63.6	59.1	.458	83.3	25	.5	..	.5	Ci-s., Ci-cu.
	11	23.9	758.30	29.736	73.4	29.850	29.730	....	66.5	60.7	.472	81.	25	.6	..	.8	Ci-s., Ci-cu., N.
	12	23.7	758.75	29.756	73.5	29.875	29.755	....	63.5	60.	.484	86.7	30	1.0	.01	1.0	Ci-cu., Ci-s., N.
	13	23.8	758.00	29.725	73.7	29.843	29.723	....	62.5	60.7	.516	92.	60	.2	.09	1.0	Ci-cu., Ci-s., N.
	14	24.7	756.90	29.678	74.3	29.800	29.677	....	66.1	63.7	.565	90.3	0	..	.01	.9	Ci., Cu., Ci-cu.
	15	24.8	756.60	29.666	75.	29.785	29.660	....	67.5	64.	.558	87.5	20	.2	..	.3	Ci., Cu., Ci-cu.
	16	25.	756.20	29.650	75.	29.772	29.647	....	69.8	65.3	.573	84.	15	.1	..	.4	Ci., Cu., Ci-cu.
	17	25.2	755.50	29.622	76.	29.746	29.620	....	69.5	65.5	.584	85.	10	..	..	.4	Ci., Cu., Ci-cu.
	18	25.3	755.35	29.616	76.	29.740	29.614	....	68.3	64.2	.556	85.	10	..	..	..	Ci-s., Ci.
	19	25.	755.35	29.617	76.	29.740	29.614	....	67.	63.	.534	86.	10	..	..	..	A few Cu.
	20	24.5	754.70	29.593	75.	29.702	29.580	....	66.5	63.5	.555	86.	10	.2	..	..	A few Cu.
	21	24.1	754.70	29.594	74.8	29.702	29.577	....	63.	....	....	87.	10	.3	..	.4	Cu.
	22	23.9	754.80	29.660	74.1	29.706	29.585	....	63.5	60.5	.499	88.6	5	.2	..	.4	Cu.
	23	23.2	754.25	29.581	73.3	29.682	29.564	....	62.5	60.	.495	90.	5	.1	..	1.0	Ci-cu.

Observed dew point: 3*h.*, 53°; 9*h.*, 56°.3; 21*h.*, 61°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
5	0	22.8	753.10	29.539	72.3	29.640	29.524	....	62.7	60.5	.507	90.	18	..	..	1.0	Raining.
	1	22.6	752.55	29.519	71.7	29.624	29.511	....	64.4	62.3	.541	90.2	15	.6	..	.9	N.
	2	22.3	752.30	29.510	71.3	29.610	29.497	....	64.5	61.	.502	87.9	35	2.0	..	.6	Ci., Cu., Ci-s.
	3	....	.....	.....	....	.....	.....	....	....	....	....	....	35	1.4	..	..	
	4	....	.....	.....	....	.....	.....	....	....	....	....	....	40	2.0	..	..	
	5	21.2	751.90	29.500	69.3	29.586	29.478	....	61.7	57.7	.441	84.	40	2.6	..	.9	Ci-cu., Ci s., N.
	6	20.4	752.50	29.528	68.5	29.624	29.519	....	59.	55.	.398	88.	44	4.0	..	.4	Ci-cu.
	7	20.2	753.10	29.551	67.7	29.640	29.538	....	59.8	56.8	.437	88.5	50	1.9	..	.4	Ci-cu., Ci-s.
	*8	20.4	753.85	29.580	67.5	29.680	29.578	....	61.5	58.3	.459	86.	50	1.2	..	.1	Ci-cu.
	9	20.7	754.90	29.619	67.7	29.720	29.616	....	63.7	58.4	.438	81.5	75	1.3	..	.9	Ci-cu.
	10	20.4	755.80	29.656	67.7	29.756	29.652	....	63.5	57.8	.423	80.	95	1.4	..	1.0	Ci-cu., Ci-s.
	11	20.5	756.30	29.673	67.7	29.772	29.668	....	65.8	59.1	.434	77.3	115	1.0	..	.8	Ci-cu , Cu.
	12	20.7	756.80	29.693	68.	29.790	29.685	....	65.6	59.5	.448	79.	135	1.2	..	.8	Ci-cu., Cu., Ci.
	13	21.	756.85	29.694	68.2	29.796	29.691	93.	64.5	58.7	.437	80.	130	1.0	..	.3	Ci-cu., Cu., Ci.
	14	21.3	757.70	29.726	68.8	29.828	29.720	92.	64.6	58.6	.433	78.5	130	.7	..	.3	Cu., Ci-cu.
	15	21.2	758.00	29.738	69.	29.842	29.734	....	64.7	58.5	.430	77.	160	.1	..	.9	Cu., Ci-cu.
	16	21.	758.55	29.761	69.	29.858	29.750	....	63.5	57.	.400	77.	160	..	..	1.0	Cu., Ci-cu.
	17	21.	759.15	29.784	68.8	29.880	29.771	....	62.5	56.5	.398	78.	180	..	..	1.0	Cu., Ci cu.
	18	20.7	760.40	29.835	68.5	29.938	29.831	....	57.4	53.4	.374	80.	255	1.5	..	1.0	Cu., Ci-cu.
	19	20.2	761.35	29.874	67.9	29.964	29.858	....	55.4	51.4	.347	80.2	255	1.0	..	1.0	Cu., Ci-cu.
	20	18.9	762.60	29.929	65.7	30.020	29.921	....	51.5	48.5	.321	81.	205	1.2	..	.5	Cu., Ci-cu.
	21	18.9	762.70	29.933	64.8	30.020	29.922	....	51.4	48.2	.315	84.	245	.7	..	.1	A few Cu.
	22	17.9	763.10	29.954	64.	30.036	29.941	....	48.5	45.6	.288	86.	280	1.0	..	..	A few Cu.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	280	1.2	..	..	

* Twenty minutes late.

Observed dew point: 9*h.*, 56°.5; 21*h.*, 46°.5.

Date.		Barometer No 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
7	0	17.9	762.55	29.932	61.8	30.006	29.916	....	43.	42.5	.282	93.	271	..	.03	1.0	Raining fast.
	1	18.1	761.45	29.889	62.1	29.972	29.880	....	43.5	42.6	.279	91.2	280	..	.01	1.0	N.
	2	19.5	761.40	29.880	63.5	29.962	29.868	....	43.6	43.	.286	91.9	280	..	.01	1.0	N.
	3	19.5	761.40	29.880	65.	29.968	29.870	....	43.	42.3	.278	92.	200	..	..	1.0	N.
	4	19.5	761.20	29.872	65.	29.964	29.866	....	43.	42.5	.282	93.	200	..	..	1.0	N.
	5	19.6	761.25	29.874	65.2	29.964	29.866	....	43.	42.4	.280	93.	200	..	..	1.0	N.
	6	19.7	761.35	29.876	65.5	29.964	29.865	....	43.	42.2	.276	93.3	200	..	..	1.0	N.
	7	20.	761.30	29.873	65.8	29.960	29.859	....	43.5	43.	.287	92.5	200	..	..	1.0	N., S.
	8	19.4	761.90	29.900	65.6	29.968	29.869	....	44.5	43.5	.289	91.	200	..	..	1.0	N., S.
	9	19.	761.30	29.878	65.	29.970	29.872	....	45.	43.7	.286	90.5	210	..	..	1.0	N., Ci-s.
	10	19.3	761.40	29.881	65.	29.976	29.878	....	46.6	45.	.296	89.	215	..	..	1.0	N., Ci-s.
	11	19.3	762.35	29.918	65.	30.012	29.914	....	47.1	45.	.291	86.5	180	..	..	1.0	N., Ci-s., *N.*
	12	20.	762.00	29.900	65.8	30.000	29.899	....	46.9	45.1	.296	88.5	180	..	.05	1.0	N., raining, *N.*
	13	20.	761.20	29.869	66.	29.967	29.866	....	46.	44.5	.292	90.	200	.2	.04	1.0	N., raining, *N.*
	14	19.2	761.85	29.899	65.6	29.992	29.893	....	43.	41.6	.264	90.5	180	.2	.05	1.0	N., raining, *N.*
	15	19.3	762.80	29.936	65.1	30.030	29.932	....	41.6	40.5	.257	91.	180	.5	.07	1.0	N., raining, *N.*
	16	19.8	763.20	29.949	65.8	30.040	29.939	....	40.3	39.1	.243	91.	180	.3	.05	1.0	N., raining, *N.*
	17	19.3	763.85	29.977	65.5	30.068	29.969	....	39.2	37.	.213	90.5	135	.5	.03	1.0	N., raining, *N.*
	18	20.2	765.00	30.017	66.	30.110	30.009	....	38.2	36.5	.215	86.2	135	.8	..	1.0	N., Ci-s., *N.*
	19	19.7	765.25	30.030	66.	30.114	30.013	....	38.	36.5	.217	80.	135	?	..	1.0	N., Ci-s., *N.*
	20	19.	765.70	30.051	65.	30.138	30.040	....	37.	34.	.180	78.	135	?	..	.2	A few Cu., *N.*
	21	17.5	766.00	30.070	63.6	30.150	30.056	....	36.	33.5	.182	77.	135	1.5	..	..	Clear.
	22	17.4	767.00	30.109	62.3	30.192	30.101	....	35.2	31.5	.158	76.	180	2.0	..	.2	S.
	23	16.9	767.10	30 116	61.3	30.198	30.110	34.	34.5	30.9	.155	74.4	168	1.2	..	..	Clear.

Observed dew point: *3h.*, 38°.5; *9h.*, 42°.7; *15h.*, 41°; *21h.*, 26°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
8	0	16.6	767.70	30.141	60.7	30.218	30.132	32.	34.	30.5	.153	75.	170	..	..	..	Clear.
	1	16.2	767.80	30.148	60.	30.222	30.137	32.3	34.	31.	.162	75.2	182	..	..	..	Clear.
	2	15.4	768.40	30.176	58.8	30.250	30.168	32.1	33.5	30.2	.155	74.2	132	.1	..	.2	A few Cu., Ci-s.
	3	16.3	769.20	30.100	64.	30.284	30.187	32.5	33.5	30.	.150	72.	132	.1	..	.3	Ci-s.
	4	16.3	769.75	30.222	64.2	30.300	30.203	32.	33.	29.	.138	71.	162	.3	..	.2	Ci-s.
	5	17.5	770.10	30.230	62.	30.342	30.251	32.5	32.	28.	.132	71.5	142	.1	..	..	Clear.
	6	18.	771.50	30.283	61.	30.370	30.287	32.	32.5	28.5	.135	72.	142	..	..	..	Clear.
	7	17.8	771.70	30.292	61.8	30.384	30.293	....	32.5	28.	.127	71.	142	..	..	..	Clear.
	8	19.5	772.90	30.331	62.8	30.424	30.330	....	35.7	30.4	.134	68.5	132	..	..	..	Clear.
	9	19.5	773.40	30.351	64.1	30.428	30.331	63.	36.5	32.2	.152	67.	140	.8	..	..	Clear.
	10	18.7	773.90	30.375	64.2	30.440	30.343	64.2	37.5	32.	.136	67.	135	1.3	..	..	Cu.
	11	17.8	773.80	30.375	63.	30.444	30.350	....	39.5	34.5	.161	66.	130	.7	..	..	A few Cu.
	12	17.5	773.10	30.349	62.	30.440	30.349	72.2	40.5	34.5	.150	64.	145	.8	..	..	A few Cu., *N.*
	13	18.2	773.55	30.362	62.2	30.456	30.365	76.	42.3	35.7	.152	62.5	150	.6	..	..	A few Cu., *N.*
	14	18.8	773.55	30.360	63.	30.456	30.362	78.	44.	36.7	.152	59.	145	.2	..	..	A few Cu.
	15	18.8	771.75	30.289	63.3	30.382	30.287	82.5	45.4	37.8	.158	57.	175	.1	..	..	Clear.
	16	18.8	772.30	30.310	63.3	30.406	30.311	78.	46.2	38.2	.157	57.3	115	..	..	..	Clear.
	17	18.8	772.15	30.304	63.2	30.400	30.306	....	46.7	39.2	.172	56.5	70	..	..	..	Clear.
	18	18.1	772.95	30.340	63.	30.420	30.326	....	42.5	38.	.195	65.	20	..	..	.4	Ci., Ci-s.
	19	18.	772.95	30.340	62.5	30.420	30.328	....	42.2	37.	.202	68.	20	..	..	..	Ci s. at Hor.
	20	17.	772.95	30.346	61.2	30.420	30.331	....	40.	37.5	.214	71.	20	..	..	..	Clear.
	21	16.5	772.30	30.322	60.3	30.382	30.395	....	39.	36.	.196	75.	20	..	..	..	Clear.
	22	16.	771.65	30.298	59.7	30.376	30.292	....	38.5	35.5	.192	76.	15	..	..	..	Clear.
	23	16.9	770.80	30.261	60.1	30.342	30.256	38.2	38.5	36.	.202	79.	360	.1	..	..	Clear.

Observed dew point: 3*h.*, 24°; 9*h.*, 23°; 15*h.*, 25°; 21*h.*, 29°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
9	0	18.	770.95	30.261	61.1	30.342	30.253	38.2	39.	36.5	.206	82.	14	.2	..	..	Clear.
	1	18 3	770.90	30 257	62.7	30.340	30.248	38.5	39.5	37.1	.212	85.	21	.5	..	1.0	N.
	2	19.8	770.30	30.227	64.4	30.316	30.218	37.8	38 6	36.5	.210	84.4	5	.5	..	1.0	N.
	3	19.2	769.90	30.215	65.	30.282	30.182	....	39.4	37.	.211	83.8	5	1.0	..	1.0	N.
	4	18.8	768.70	30.170	65.3	30.250	30.151	....	40.2	37.5	.211	83.	32	.6	..	1.0	N.
	5	18.6	767.90	30.140	65.3	30.222	30.123	....	40.7	38.	.215	82.8	32	.1	..	1.0	N.
	6	18.3	767.35	30.119	65.3	30.210	30.111	....	41.2	38.3	.216	82.5	32	.2	..	1.0	N.
	7	16.5	766.35	30.090	63.2	30.168	30.075	....	41.5	39.	.227	83.2	32	2.6	..	1.0	N., Ci-s.
	8	15.5	764.70	30.028	60.5	30.100	30.014	....	43.	39.	.209	81.2	30	3.0	..	.6	Ci-s., Cu.
	9	17.2	764.25	30.002	61.7	30.090	30.002	....	45.8	41.1	.222	77.	30	4.5	..	1.0	Ci-s , Ci-cu., *WSW.*
	10	17.	764.35	30.008	61.7	30.092	30.004	....	46.5	41.8	.228	77.3	40	4.0	..	1.0	Ci-s., N.
	11	15.8	763.00	29.959	60.2	30.040	29.955	....	43.	40.5	.241	86.	20	5.5	.07	1.0	Ci-s., N., rain.
	12	17.	762.00	29.915	61.	30.000	29.913	....	43.	40.6	.243	87.5	35	4.7	.04	1.0	Ci-s., rain, (1) *SW.*, (2) *W.*
	13	17.2	760.80	29.867	62.	29.952	29.862	....	42.6	41.2	.260	91.	35	3.0	.05	1.0	Ci s., N., rain, *WSW.*
	14	17.	759.35	29.811	62.	29.900	29.810	....	43.5	42.5	.277	92.5	35	2.0	.01	1.0	Ci-s., rain, *SW.*
	15	17.8	758.65	29.780	62.3	29.867	29.776	....	44.3	43.4	.288	92.5	30	1.0	.02	1.0	Ci s., rain, *SSW.*
	16	19.	757.70	29.737	64.	29.832	29.737	....	45.	44.1	.295	92.5	25	.8	.02	1.0	Ci-s., rain, *SSW.*
	17	19.1	756.40	29.685	65.2	29.772	29.674	....	45.4	44.5	.299	93.	10	.2	.01	1.0	Ci-s., rain, *SSW.*
	18	18.7	755.30	29.645	64.7	29.730	29.635	....	46.3	45.4	.309	92.5	20	..	..	1.0	Ci-s., N., *SSW.*
	19	18.1	754.50	29 617	64.4	29.688	29.593	....	47.	46.	.315	92.2	20	..	..	1.0	Ci-s., N., *SSW.*
	20	18.	753.70	29 585	63.5	29.664	29.572	....	49.	48.	.338	92.	25	.5	..	1.0	Ci-s., N., Cu., *SSW.*
	21	18.	753.50	29.577	63.4	29.650	29.558	....	52.5	50.5	.358	89.8	25	2.5	..	1.0	Ci-s., N., Cu., *SSW.*
	22	17.8	753.50	29.578	63.	29.654	29.563	....	52.5	50.5	.358	89.	45	3.0	..	.5	Ci-s., N., Cu.
	23	18.8	753.20	29.561	63.9	29.652	29.558	53.2	52.	50.2	.356	87.3	40	2.3	..	..	Clear.

Observed dew point: 3*h.*, 24°; 9*h.*, 31°; 21*h.*, 48°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
10	0	20.4	753.35	29.561	65.8	29.654	29.555	52.	52.2	50.2	.354	89.	45	.3	..	..	Clear.
	1	21.	753.55	29.565	67.8	29.662	29.558	52.1	52.6	50.5	.357	88.3	48	..	..	..	Clear.
	2	21.	753.55	29.565	68.5	29.660	29.555	51.5	52.5	50.5	.358	88.6	60	..	..	..	Clear.
	3	21.	753.00	29.543	68.5	29.650	29.545	....	52.5	50.7	.362	90.	33	..	..	1.0	N., very dark.
	4	21.	753.70	29.571	68.6	29.670	29.565	....	53.2	51.2	.367	89.5	33	..	..	1.0	N., slight rain.
	5	21.	754.10	29.587	68.6	29.682	29.577	....	54.	52.	.378	89.5	33	..	..	1.0	N., slight rain.
	6	21.4	754.55	29.604	68.8	29.706	29.599	....	55.3	53.3	.396	88.	33	..	..	1.0	N.
	7	21.5	755.60	29.645	69.	29.738	29.631	....	56.5	54.8	.420	89.5	30	..	..	1.0	N., Ci., S.
	8	21.5	756.40	29.674	69.2	29.774	29.665	....	57.5	55.	.415	89.8	42	..	..	1.0	Ci-cu., S.
	9	21.7	756.60	29.682	69.5	29.790	29.681	....	59.	56.8	.446	87.	45	..	..	.9	Ci-cu., Ci., *W.*
	10	21.5	756.50	29.678	69.8	29.784	29.674	....	61.6	58.4	.461	85.3	35	..	..	.9	Ci-cu., Ci., *W.*
	11	22.	756.55	29.679	70.	29.785	29.675	....	63.6	58.6	.444	80.5	40	.3	..	.7	Ci-cu., Ci., *W.*
	12	22.	757.00	29.697	71.	29.792	29.679	....	65.2	58.2	.416	75.3	40	1.7	..	1.0	Ci cu , Ci., *W.*
	13	22.7	756.80	29.684	71.2	29.796	29.683	....	64.5	57.1	.394	74.	45	2.8	..	1.0	Ci-cu., Ci-s., Ci., *W.*
	14	23.	756.85	29.684	72.	29.800	29.684	....	64.	57.1	.399	74.	45	2.8	..	1.0	Ci-cu., Ci-s., Ci., *W.*
	15	23.	756.90	29.686	72.	29.802	29.686	....	65.1	55.4	.341	66.	70	1.5	..	1.0	Ci-cu., Ci-s., Ci., *W.*
	16	22.9	757.15	29.698	72.	29.812	29.695	....	62.5	56.4	.396	73.	50	.4	..	1.0	Ci-cu., Ci-s., Ci., *W.*
	17	22.5	757.15	29.698	71.5	29.812	29.697	....	62.9	54.5	.341	65.	55	..	..	1.0	Ci cu., Ci-s., Ci., *W.*
	18	22.	757.65	29.721	71.	29.826	29.712	....	58.	51.	.383	76.1	55	..	..	1.0	Ci-cu., Ci-s., *W.*
	19	21.7	757.50	29.716	70.2	29.820	29.709	....	57.8	53.9	.382	80.	53	..	..	1.0	Cu., Ci-cu., *W.*
	20	20.9	757.20	29.708	69.	29.808	29.699	....	54.5	52.5	.385	82.	53	..	..	.1	Cu.
	21	20.8	757.20	29.708	68.2	29.808	29.702	....	54.	52.	.378	84.	53	..	..	..	A few Cu.
	22	20.	757.45	29.722	67.6	29.810	29.706	....	54.	51.5	.365	85.3	53	..	..	1.0	A few Cu.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	53	..	..	..	

Observed dew point: 3*h.*, 45°; 9*h.*, 56°.3; 15*h.*, 45.°4; 21*h.*, 46°.3.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
11	0	19.	755.70	29.658	65.7	29.744	29.647	....	52.7	50.	.343	88.	23	..	..	..	?
	1	18.7	755.10	29.638	64.9	29.720	29.624	....	51.5	50.	.356	90.	23	..	..	..	?
	2	18.1	754.60	29.621	64.	29.696	29.602	....	51.5	50.	.356	90.2	23	..	..	..	?
	3	17.2	752.95	29.560	63.	29.632	29.541	....	52.5	51.6	.384	92.2	345	..	.05	..	?
	4	17.1	753.10	29.567	62.3	29.640	29.551	....	51.5	50.5	.369	92.	250	.1	.01	..	?
	5	16.8	753.40	29.580	61.6	29.656	29.569	....	57.	53.5	.381	81.	220	.2	..	..	?
	6	15.6	753.80	29.601	59.8	29.670	29.587	....	41.9	41.	.264	89.	220	.9	.03	..	?
	7	14.8	754.00	29.613	58.6	29.674	29.595	....	42.5	40.5	.247	88.	243	.4	.05	..	?
	8	14.3	754.10	29.618	57.1	29.670	29.595	....	42.5	40.	.236	....	220	.2	..	1.0	Ci-s.
	9	13.	753.60	29.605	56.	29.670	29.597	....	44.	40.5	.230	79.3	235	.1	..	1.0	Ci-s.
	10	14.	754.00	29.616	55.3	29.688	29.617	....	45.	40.9	.226	76.	225	..	..	1.0	Ci-s.
	11	16.2	754.50	29.626	57.5	29.704	29.628	....	45.8	41.4	.229	76.5	155	..	..	1.0	Ci-s.
	12	19.	755.25	29.642	61.5	29.733	29.646	....	49.	44.	.248	75.5	135	.5	..	.9	Ci., Cu., Ci-cu., Ci-s, *W.*
	13	21.1	755.05	29.624	65.2	29.728	29.631	....	51.9	46.2	.264	74.7	130	1.2	..	1.0	Ci., Cu., Ci cu., Ci s., *W.*
	14	21.3	755.15	29.626	67.7	29.731	39.628	....	52.4	44.	.210	65.	120	3.5	..	1.0	Ci., Cu., Ci-cu., (1) *WNW.*,
	15	21.	756.10	29.665	68.	29.776	29.671	....	50.7	44.7	.244	68.	130	3.0	..	1.0	Ci., Cu., Ci-cu., N. [(2) *W.*
	16	19.5	758.00	29.746	67.	29.842	29.739	....	43.5	39.	.205	75.5	150	5.0	..	1.0	Ci., Cu., Ci-cu., *W.*
	17	18.6	759.00	29.789	65.	29.872	29.774	....	42.5	38.5	.206	71.	120	4.7	..	1.0	Ci., Cu., Ci-cu., *W.*
	18	17.5	761.40	29.889	63.9	29.960	29.865	....	35.	34.	.203	89.	160	3.5	..	1.0	Cu., N., snowing, *W.*
	19	17.3	762.70	29.941	62.2	30.020	29.930	....	36.5	33.5	.176	80.2	140	.5	..	.7	Cu., N., *W.*
	20	17.5	764.00	29.991	61.7	30.070	29.981	....	36.	32.7	.166	75.	160	.5	..	.8	Cu., N., *W.*
	21	17.	764.70	30.022	61.	30.100	30.013	....	34.8	30.8	.150	67.	150	2.0	..	..	Clear.
	22	15.3	766.20	30.089	59.3	30.152	30.069	....	31.	37.3	.130	70.	170	2.5	..	..	Clear.
	23	15.	766.85	30.116	58.	30.188	30.109	30.1	30.5	27.	.131	64.8	150	2.5	..	..	Clear.

Observed dew point: 9*h.*, 37°; 15*h.*, 36°.3; 21*h.*, 25°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
12	0	16.2	767.90	30.152	59.8	30.222	30.137	28.7	30.	25.5	.112	63.5	165	2.5	..	..	Clear.
	1	17.1	769.35	30.204	62.	30.282	30.192	28.2	28.5	24.	.103	64.	148	2.5	..	..	Clear.
	2	18.7	770.00	30.220	63.2	30.318	30.225	27.	27.5	23.	.098	61.5	160	2.0	..	..	Clear.
	*3	18.3	771.00	30.261	63.8	30.350	30.255	25.3	26.	21.	.083	61.5	145	3.0	..	..	Clear.
	4	18.	771.50	30.283	63.2	30.372	30.279	24.	25.5	20.5	.081	63.	140	2.3	..	..	Clear.
	5	17.8	772.65	30.329	62.8	30.416	30.322	23.5	23.8	18.5	.067	64.5	145	2.2	..	..	Clear.
	6	17.5	773.50	30.365	62.2	30.456	30.365	22.5	22.3	17.	.061	67.5	155	1.5	..	..	Clear.
	7	16.	774.45	30.408	60.5	30.512	30.425	....	23.5	19.	.079	65.4	160	4.0	..	..	A few Ci-cu.
	8	15.5	775.50	30.453	59.6	30.576	30.492	....	25.	21.	.093	63.	165	.8	..	..	A few Ci-cu.
	9	15.	775.80	30.468	58.5	30.543	30.461	54.	25.5	21.2	.091	61.3	180	1.5	..	..	Ci. in *S.*
	10	14.	775.20	30.448	57.	30.520	30.442	54.5	25.5	21.5	.096	61.5	190	1.3	..	..	Clear.
	11	12.7	775.25	30.457	55.	30.526	30.454	61.	27.	22.6	.097	62.	180	.7	..	..	Clear.
	12	13.	775.20	30.454	53.6	30.522	30.454	69.5	29.1	24.1	.099	61.7	215	..	..	..	Slight Ci. in *S.*
	13	15.	775.00	30.436	55.	30.512	30.440	72.	30.2	24.8	.098	61.3	125	..	..	..	Slight Ci. in *S.*
	14	18.	774.60	30.405	59.7	30.500	30.415	73.	32.5	27.2	.113	60.	110	..	..	..	Clear.
	15	18.	774.30	30.393	61.5	30.490	30.400	70.5	34.8	29.	.119	60.	100	..	..	..	Clear.
	16	17.8	774.10	30.386	61.9	30.478	30.387	70.5	35.9	30.2	.129	59.5	100	..	..	..	Clear.
	17	17.8	773.65	30.369	61.9	30.450	30.359	....	35.5	30.5	.137	58.5	90	..	..	..	Clear.
	18	19.1	773.65	30.364	63.2	30.450	30.356	....	33.4	30.5	.159	65.	10	..	..	..	Clear.
	19	18.	773.30	30.354	63.2	30.430	30.336	....	31.2	29.5	.165	68.	08	..	..	..	Clear.
	20	16.9	772.60	30.332	61.2	30.398	30.309	....	31.	28.5	.150	70.	318	..	..	..	Clear.
	21	16.	772.00	30.312	60.2	30.384	30.298	....	31.	28.8	.156	70.	318	..	..	..	Clear.
	22	14.6	772.40	30.434	57.8	30.396	30.316	....	29.6	27.	.141	....	342	..	..	..	Clear.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	10	.	..	..	

* Fifteen minutes late.

Observed dew point: 3*h.*, 16°; 15*h.*, 20° ?; 21*h.*, 22° ?.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata
14	0	15.9	767.30	30.129	53.8	30.208	30.140	....	35.5	34.1	.199	87.8	140	..	..	1.0	N.
	1	15.9	767.45	30.135	56.1	30.207	30.133	....	36.1	35.	.210	88.8	140	..	..	1.0	N.
	2	16.3	767.45	30.133	59.1	30.207	30.125	....	35.5	34.5	.207	89.	140	..	..	1.0	N.
	3	16.5	767.60	30.139	59.8	30.212	30.127	....	34.5	34.	.208	89	140	..	..	1.0	N.
	4	17.0	767.80	30.144	50.5	30.222	30.136	....	35.	34.	.203	87.4	140	..	..	1.0	N.
	5	17.8	768.15	30.154	61.	30.230	30.143	....	35.4	34.	.198	84.5	140	..	..	1.0	N.
	6	18.2	768.30	30.157	62.	30.234	30.144	....	36.	34.	.191	82.	140	..	..	1.0	N.
	7	17.8	768.40	30.164	61.8	30.244	30.154	....	38.	35.	.188	85.	140	..	..	1.0	N.
	*8	17.	768.50	30.172	61.6	30.258	30.170	....	39.5	36.	.190	72.	185	..	..	1.0	N.
	9	17.2	768.65	30.176	61.	30.262	30.175	....	41.	35.5	.163	69.	220	..	..	1.0	Ci., S.
	10	17.8	768.25	30.158	61.3	30.250	30.162	....	41.5	35.5	.158	68.	225	..	..	.9	Ci., Ci-cu., Ci-s.
	11	18.	768.10	30.151	62.	30.244	30.154	....	42.1	36.1	.162	67.	250	..	..	1.0	Ci., Ci cu., Ci-s.
	12	18.4	767.80	30.137	63.	30.230	30.137	....	43.6	37.1	.165	65.3	265	..	..	1.0	Ci s.
	13	18.3	767.30	30.117	63.	30.210	30.117	....	44.6	38.2	.175	65.3	260	..	..	1.0	Ci s.
	14	19.8	767.15	30.105	64.3	30.206	30.110	....	45.7	39.1	.181	64.	330	..	..	1.0	Ci-s.
	15	20.7	767.00	30.094	66.3	30.200	30.098	....	45.5	39.	.181	64.	55	..	..	1.0	Ci s.
	16	21.9	767.00	30.088	68.2	30.192	30.086	....	45.	39.	.187	64.	80	..	..	1.0	Ci s.
	17	20.9	767.00	30.093	69.	30.196	30.087	....	44.5	38.5	.183	64.	80	..	..	1.0	Ci s.
	18	20.7	767.00	30.094	68.	30.194	30.088	....	43.5	39.5	.214	66.	80	..	..	1.0	Ci s.
	19	20.	766.80	30.090	67.	30.188	30.085	....	42.	39.5	.232	75.	80	..	..	1.0	Ci s.
	20	20.	767.40	30.113	66.2	30.210	30.109	....	40.5	37.5	.208	80.	80	..	..	.1	Cu., Ci-cu.
	21	20.3	767.50	30.116	66.7	30.216	30.114	....	38.8	36.5	.208	82.	70	..	..	..	Clear.
	22	20.6	768.00	30.134	67.2	30.228	30.125	....	37.7	36.2	.214	82.	74	..	..	..	Clear.
	23	19.4	767.50	30.120	66.	30.220	30.119	36.4	37.2	35.	.197	82.	113	..	..	..	Clear.

* Thirty minutes late.

Observed dew point, 3*h.*, 25°; 9*h.*, 26°; 15*h.*, 32°; 21*h.*, 34°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky-covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
15	0	18.8	767.25	30.112	64.8	30.200	30.102	31.2	36.3	34.8	.203	82.1	113	..	..	..	Clear.
	1	18.4	767.25	30.115	64.1	30.200	30.105	30.	35.6	34.	.196	83.	113	..	..	..	Clear.
	2	18.	767.00	30.107	63.	30.190	30.097	29.6	34.4	33.1	.192	84.	113	..	..	.2	Ci-s.
	3	18.8	766.95	30.101	63.2	30.182	30.089	31.7	34.5	33.5	.199	87.7	100	..	..	.3	Ci-s.
	4	19.2	765.50	30.082	64.	30.166	30.071	....	34.5	33.5	.199	88.	31	..	..	.2	Cu.
	5	18.6	766.75	30.095	64.3	30.176	30.080	31.	32.8	32.	.190	91.	32	..	..	.1	Cu.
	6	18.3	767.00	30.105	64.	30.190	30.095	30.	34.	33.	.196	90.	33	..	..	.2	Ci-s.
	7	18.	767.30	30.119	63.	30.200	30.107	....	36.	34.	.191	87.	30	..	..	..	Clear.
	8	18.	767.50	30.127	63.	30.212	30.119	....	38.7	35.	.180	80.	125	..	..	..	Clear.
	9	18.	767.75	30.137	63.	30.222	30.129	....	41.3	36.7	.182	76.5	112	.2	..	..	Clear.
	10	18.8	767.35	30.116	63.4	30.206	30.112	83.5	42.8	38.	.191	75.	120	.1	..	..	Clear.
	11	20.	767.05	30.099	65.	30.188	30.090	86.	46.5	41.	.211	69.	115	..	..	..	Clear.
	12	20.7	766.50	30.075	66.2	30.180	30.079	....	51.2	44.4	.231	67.	0	..	..	.5	Ci-cu., Ci-s., *W.* by *N.* [*W.*
	13	20.	766.55	30.080	66.8	30.184	30.081	....	45.1	40.4	.214	75.5	90	.3	.01	1.0	N., Cu., raining, (1) *WSW.*, (2)
	14	19.	765.70	30.051	66.	30.150	30.049	....	41.5	39.	.227	84.	55	1.0	.06	1.0	N., Cu., raining, *W.*
	15	18.3	765.40	30.042	65.3	30.138	30.039	....	42.5	40.	.236	85.	0	.2	.02	1.0	N., Cu., snow and rain, *W.*
	16	18.9	765.80	30.055	64.5	30.150	30.054	....	45.5	39.5	.192	73.9	130	..	..	.9	Ci., Ci-s., Cu., *NNW.*
	17	18.9	765.80	30.055	64.4	30.152	30.056	....	44.4	40.	.214	74.	100	1.5	..	1.0	Ci., Ci-s., Ci-cu., *NNW.*
	18	19.	766.75	30.093	64.1	30.170	30.075	....	44.	39.5	.209	76.5	100	.1	..	1.0	Cu., N., *NNW.*
	19	18.3	767.35	30.119	63.7	30.204	30.109	....	43.	39.	.209	74.8	90	.1	..	1.0	Cu., Ci-s., *NNW.*
	20	17.4	767.90	30.145	62.5	30.226	30.135	....	42.	39.5	.232	74.	125	1.0	..	.1	Cu.
	21	16.	768.20	30.164	60.9	30.240	30.153	....	40.8	36.5	.185	71.5	160	.3	..	..	Clear.
	22	15.4	768.40	30.175	58.8	30.240	30.158	....	36.7	33.6	.176	74.5	156	..	..	.1	Ci-s.
	23	15.5	768.70	30.185	58.8	30.250	30.168	31.1	35.6	33.1	.179	76.9	94	..	..	..	Clear.

Observed dew point: 3*h.*, 29°; 9*h.*, 31°.5; 15*h.*, 39°.5; 21*h.* 30°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
16	0	15.4	768.70	30.187	58.3	30.250	30.170	29.6	36.4	32.1	.151	70.9	116	..	..	..	Clear.
	1	16.6	769.00	30.191	58.9	30.268	30.185	35.4	38.7	36.3	.205	62.8	126	.4	..	..	Clear.
	2	18.4	769.40	30.198	61.3	30.286	30.196	36.1	38 1	34.8	.182	59.5	133	.5	..	..	Clear.
	3	18.5	769.75	30.211	62.7	30.302	30.210	33.	37.	33.	.166	61.	166	..	..	..	Clear.
	4	19.2	770.75	30.248	63.8	30.340	30.253	30.	34.3	29.7	.137	64.	145	..	..	..	Clear.
	5	18.	771.45	30.281	62.5	30.360	30.268	29.5	32.8	28.2	.127	64.	145	..	..	..	Clear.
	6	17.4	771.90	30.302	62.	30.380	30.289	....	31.7	27.	.119	67.	145	..	..	..	Clear.
	7	17.8	772.30	30.315	62.	30.406	30.315	....	32 8	28.	.124	68.5	145	..	..	..	Clear.
	8	17.7	772.60	30.327	62.	30.408	30.317	....	37.	30.5	.123	62.	125	..	..	..	Clear.
	9	19.	773.10	30.342	63.5	30.440	30.345	71.	39.	30.9	.110	59.	125	.2	..	..	Clear.
	10	19.2	773.30	30.349	64.2	30.444	30.347	70.5	40 1	32.	.107	57.	140	.2	..	.1	Ci., *NW.*
	11	19.6	773.15	30.340	65.	30.437	30.337	77.	42.	34.	.123	55.5	140	.1	..	.1	Ci., *NW.*
	12	19.7	772.55	30.316	65.	30.418	30.318	....	44.5	35.2	.117	54.7	105	.1	..	.7	Slight Ci., *NW.*
	13	19.7	771.50	30.275	65.	30.376	30.276	....	48.	38.5	.143	54.5	40	.2	..	.9	Slight Ci., *NW.*
	14	19.7	770.70	30.243	65.	30.350	30.250	....	49.	39.	.141	53.	100	.1	..	.8	Ci., Ci-cu., *NW.*
	15	19.7	770.25	30.225	65.2	30.330	30.230	....	50.5	40.5	.155	54.	75	.1	..	.8	Ci., Ci-s., *NW.*
	16	19.2	769.70	30.207	65.2	30.304	30.204	....	49.6	40.6	.167	56.	30	.5	..	1.0	Ci., Ci-s., Ci-cu., *NW.*
	17	18.7	769.00	30.181	64.7	30.268	30.170	....	49.4	43.	.220	60.	20	1.5	..	1.0	Ci., Ci-s., Ci-cu., *NW.*
	18	18.2	769.00	30.182	64.	30.268	30.171	....	45.5	40 5	.212	65.	20	.7	..	1.0	Ci., Ci-s., Ci-cu., *NW.*
	19	18.	769.00	30.184	63.5	30.268	30.173	....	43.5	39.5	.214	69.	20	..	..	.2	Ci., Ci-s., *NW.*
	20	17.4	768.65	30.174	62.6	30.253	30.161	40.	41.8	38.	.203	73.	20	..	..	..	A few Ci-s.
	21	17.	768.25	30.162	61.5	30.234	30.146	44.4	40.6	38.1	.219	74.5	20	..	..	..	Clear.
	22	16.7	767.80	30.145	61.1	30.218	30.131	38.3	40.6	35.7	.171	74.8	15	..	..	..	Clear.
	23	18.	767.20	30.115	62.	30.200	30.110	47.3	39.1	36.	.195	76.2	13	..	..	..	Clear.

Observed dew point: 3*h.*, 30°; 21*h.*, 33°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
17	0	18.5	766.40	30.081	63.3	30.160	30.066	36.6	39.2	36.4	.201	76.8	13	..	..	..	Clear.
	1	18.2	765.60	30.050	63.3	30.132	30.038	36.3	40.4	37.8	.215	79.3	12	.1	..	..	Clear.
	2	18.1	765.00	30.028	63.8	30.100	30.005	38.	39.5	37.2	.214	82.	16	.7	..	..	Clear.
	3	18.5	764.10	29.990	63.3	30.080	29.998	37.5	39.4	37.	.211	82.5	27	..	..	..	Clear.
	4	17.4	763.85	29.985	62.5	30.065	29.974	37.	39.5	37.3	.215	83.4	27	..	..	..	Clear.
	5	16.5	763.25	29.967	60.5	30.045	29.959	38.	40.	38.	.223	84.5	23	..	..	..	Clear.
	6	15.7	762.75	29.951	60.	30.028	29.943	38.5	40.	38.	.223	85.	30	.1	..	1.0	Ci-s.
	7	16.	762.75	29.949	59.8	30.030	29.945	....	41.8	38.5	.213	84.8	30	.1	..	1.0	Ci-s.
	8	17.2	762.75	29.943	60.5	30.024	29.938	....	45.	40.	.207	82.	50	.5	..	1.0	Ci-s.
	9	18.2	762.55	29.930	62.	30.024	29.934	....	48.	43.	.237	78.	40	1.3	..	1.0	Ci., Ci-s.
	10	18.6	762.15	29.909	63.6	30.007	29.913	....	51.5	45.	.241	74.	40	2.0	..	1.0	Ci., Ci-s.
	11	19.	761.40	29.882	64.2	29.977	29.882	....	54.9	46.7	.241	70.	40	2.3	..	1.0	Ci-s.
	12	19.2	760.65	29.852	65.	29.950	29.852	....	58.3	49.	.257	66.	40	2.5	..	1.0	Ci-s., *W.*
	13	19.1	759.90	29.822	65.	29.920	29.822	....	57.4	48.3	.250	66.	40	2.8	..	1.0	Ci-s., Ci cu., *W.*
	14	18.9	758.75	29.778	65.	29.874	29.776	....	60.3	50.5	.270	65.	40	3.0	..	1.0	Ci-s., *W.*
	15	19.9	758.60	29.767	65.3	29.866	29.767	....	60.	52.7	.327	65.5	40	2.5	..	1.0	Ci-s., Ci-cu., *W.*
	16	20.2	758.00	29.742	66.8	29.843	29.740	....	60.8	53.4	.336	65.5	40	2.3	..	1.0	Ci-s., Ci-cu, *W.*
	17	20.8	758.00	29.739	67.5	29.843	29.739	....	59.5	54.5	.379	67.8	40	2.3	..	1.0	Ci., Ci-s., Ci-cu., *W.*
	18	21.3	758.10	29.741	68.3	29.848	29.741	....	59.	53.	.347	69.5	40	2.0	..	1.0	Ci., Ci-s., *W.*
	19	23.	758.55	29.751	70.	29.864	29.753	....	58.9	52.8	.343	67.	40	2.5	..	1.0	Ci., Ci-s.
	20	23.3	760.00	29.806	71.4	29.920	29.805	....	57.	51.8	.339	68.5	40	.1	..	1.0	Ci., Ci-s.
	21	23.	760.20	29.816	71.9	29.932	29.815	....	57.	49.7	.288	67.	68	..	..	..	Clear.
	22	22.1	760.85	29.847	71.	29.944	29.830	52.4	57.	52.8	.364	66.	98	..	..	..	Clear.
	23	22.	761.50	29.872	70.7	29.970	29.858	59.	62.4	52.2	.386	60.	142	1.2	..	..	Clear

Observed dew point: 3*h.*, 33°; 9*h.*, 38°; 21*h.*, 43°.6.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
18	0	21.2	762.20	29.903	69.5	29.990	29.880	55.4	58.5	49.	.255	61.7	136	..	..	..	Clear.
	1	21.2	763.25	29.944	69.	30.034	29.925	54.	56.7	47.2	.231	60.8	150	.3	..	..	Clear.
	2	21.7	763.75	29.961	69.5	30.050	29.910	52.3	55.5	47.	.240	60.	135	.2	..	.2	Ci-s.
	3	23.2	764.75	29.993	70.9	30.100	29.986	50.6	53.8	45.	.214	60.	145	.2	..	.2	Ci s. near Hor.
	4	23.	765.20	30.012	71.5	30.138	30.023	46.4	52.	43 3	.198	60.	140	..	..	.5	Ci-cu., Ci.
	5	23.4	766.55	30.064	72.	30.170	30.053	45.3	50.7	42.2	.188	60.	135	..	..	1.0	Ci-s.
	6	23.5	767.25	30.090	72.8	30.208	30.089	42.8	48.	39.7	.167	61.	130	..	..	1.0	Ci., Ci s.
	7	23.2	767.50	30.101	72.5	30.216	30.098	....	49.5	40.3	.162	58.5	120	..	..	.5	Ci., Ci-cu.
	8	22.3	768.30	30.138	71.	30.254	30.140	....	52.	41.7	.164	57.	130	..	..	.4	Ci.
	9	22.3	768.75	30.155	70.7	30.270	30.157	83.5	53.	42.	.158	56.7	145	.1	..	.1	Ci. in *S.*
	10	22.8	768.80	30.155	71.	30.270	30.155	89.	53.7	42.1	.152	55.5	145	..	..	.1	C. in *S.*
	11	23.	768.65	30.148	71.1	30.263	30.148	91.	54.5	43.	.162	54.5	125	..	..	.1	Ci. in *S.*
	12	23.4	768.50	30.142	71.5	30.256	30.140	84.	56.3	44.3	.170	53.	145	.3	..	.1	Ci., Ci cu.
	13	23.2	768.05	30.123	71.7	30.236	30.120	94.	57.8	45.	.168	51.	145	.1	..	.2	Ci., Ci-cu.
	14	23.	767 60	30.106	72.	30.222	30.104	....	59.6	45.3	.155	50.5	120	..	..	.9	Ci., Ci-cu., *WNW.*
	15	22.8	767.30	30.095	71.7	30.208	30.092	....	61 5	47.5	.183	50.	150	..	..	.8	Ci , Ci-cu., *WNW.*
	16	22.7	767.10	30.087	71.3	30.200	30.084	....	61.7	47.7	.185	51.	70	..	..	.9	Ci., Ci-cu., *WNW.*
	17	22.8	767.10	30.087	71.5	30.200	30.084	....	59.8	....	....	59.2	40	..	..	1.0	Ci , Ci-cu., *WNW.*
	18	22.2	766.80	30.079	71.	30.188	30.074	....	56.3	49.	.278	61.8	310	..	..	1.0	Ci., Ci-cu., *WNW.*
	19	22.	766.80	30.081	70.7	30.188	30.076	....	54.	46.	.235	64.	300	..	..	1.0	Ci., Ci-cu.
	20	21.8	766.80	30.082	69.9	30.188	30.077	....	52 5	45.	.229	65.	320	.1	..	1.0	Ci., Ci-cu.
	21	21.2	766.50	30.073	69.2	30.176	30.067	....	51.	45.	.246	67.	275	.2	..	1.0	Ci., N., rain.
	22	21.1	766.40	30.069	68.8	30.150	30.041	....	49.2	44.5	.255	73.3	230	..	..	1.0	N., rain.
	23	20.9	768.65	30.159	68.6	30.268	30.161	....	56.4	54.	.401	83.2	178	.2	.02	1.0	N., rain.

Observed dew point: 3*h.*, 35°.8; 21*h.*, 34°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
19	0	20.9	767 00	30.093	68.6	30.108	30.001	....	50.3	47.2	.304	83.2	268	.1	.23	1.0	N.
	1	20.9	766.50	30.074	68.6	30.150	30.043	....	45.6	40.3	.207	83.2	309	.5	..	1.0	N.
	2	19.8	765.65	30.046	67.1	30.124	30.021	....	44.2	39.1	.198	83.5	301	.6	..	.8	N., Cu.
	3	20.3	765.15	30.023	64.8	30.116	30.019	....	43.5	38.	.183	83.	313	..	..	.6	N., Cu.
	4	20.8	765.00	30.014	67.	30.098	29.995	....	42.	37.	.181	83.	313	..	..	.8	N., Cu.
	5	21.	765.30	30.025	68.	30.120	30.014	....	45.	40.	.207	84.	313	..	..	.6	N., Cu.
	6	20.5	764.80	30.008	67.	30.102	29.999	....	42.	41.	.263	83.5	313	..	..	1.0	N.
	7	19.8	764.70	29.999	66.5	30.102	30.010	....	42.5	47.	.272	83.5	310	..	..	1.0	N.
	8	19.5	764.65	29.998	66.2	30.102	30.001	....	45.5	43.8	.283	86.	310	..	..	1.0	Ci., Ci s.
	9	19.9	764.10	29.983	66.	30.083	29.982	....	48.9	46.9	.314	86.5	45	..	..	.8	Ci., Ci-s., Cu.
	10	20.4	763.50	29.958	66.5	30.060	29.958	....	51.5	49.	.333	86.	15	..	..	.6	Ci cu., Ci s.
	11	20.2	763.10	29.942	67.	30.043	29.940	79.	53.5	50.7	.351	86.3	15	..	..	.5	Ci., Ci-s.
	12	20.6	762.15	29.903	67.7	30.004	29.900	81.	57.4	53.6	.379	83.3	55	.2	..	.3	Ci-s.
	13	21.	761.40	29.872	68.1	29.980	29.874	78.5	60.6	56.5	.419	82.5	15	.1	..	.2	Ci-s.
	14	21.7	760.80	29.846	69.	29.953	29.844	83.	64.3	59.	.447	80.3	25	.2	..	.3	Ci-s., Ci.
	15	22.	760.00	29.813	70.	29.920	29.809	82.	68.2	62.2	.496	78.	35	..	..	.7	Ci-s., Ci.
	16	22 2	759.90	29.807	70.4	29.916	29.804	83.	69.3	62.6	.495	77.	45	..	..	.7	Ci s., Ci.
	17	22.8	760.10	29.813	71.3	29.922	29.807	....	68.	62.5	.506	78.	50	..	..	1.0	Ci s., Ci.
	18	23.	760.70	29.836	71.9	29.948	29 831	....	67.5	62.	.497	79.2	50	..	..	.8	Ci-s., Ci.
	19	23.1	760.80	29.836	72.	29.952	29.835	....	64.2	60.5	.491	81.2	330	..	..	.9	Ci-s., Ci.
	20	22.9	761.00	29.847	71.9	29.960	29.843	....	62.	59.	.472	84.9	325	..	..	..	Clear.
	21	22.5	761.00	29.849	71.5	29.960	29.845	....	59.	57.	.451	90	330	..	..	..	Clear.
	22	21.8	760.85	29.848	70.8	29.940	29.826	....	56.5	54.8	.420	90.9	343	..	..	..	Clear.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	..	..	..	..	

Observed dew point: 3*h.*, 29°.5; 9*h.*, 45°.8; 15*h.*, 58°; 21*h.*, 52°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
21	0	16.7	761.35	29.891	61.5	29.968	29.880	....	49.2	46.1	.292	78.	198	.2	..	1.0	N.
	1	16.6	762.10	29 920	60.9	29.990	29.903	....	47.4	45.4	.296	72.2	190	1.5	..	1.0	N., Cu., Ci-s.
	2	18.	762.75	29.940	61.5	30.020	29.932	....	47.	44.4	.278	72.	178	.2	..	1.0	N., Cu., Ci-s.
	3	19.5	763.00	29.942	63.3	30.030	29.936	....	47.	40.7	.199	72.	190	.1	..	1.0	N.
	4	20.6	764.00	29.976	65.8	30.080	29.979	....	46.7	39.4	.176	67.	200	.1	..	1.0	N.
	5	20.7	764.40	29.992	66.4	30·084	29.982	....	46.5	39.	.170	67.	225	.3	..	1.0	N.
	6	19.	765.50	30.042	65.5	30.132	30.033	....	38.5	33.	.144	69.	250	4.0	..	1.0	Ci-cu., Ci-s.
	7	18.8	766.20	30.071	64.3	30.160	30.064	....	37.2	32.	.140	71.	250	2.5	..	.8	Ci-cu.
	8	18.6	766.75	30.095	64.	30.182	30.087	....	36.4	31.4	.144	71.	240	1.5	..	1.0	N., Ci-cu.
	9	18.	766.75	30.098	63.	30.186	30.093	....	36.1	30.1	.125	67.5	210	1.2	..	1.0	N., slight rain.
	10	17.	766.75	30.103	62.	30.186	30.096	....	36.7	31.2	.138	69.3	230	1.0	..	1.0	N.
	11	18.	767.00	30.107	62.	30.200	30.110	....	37.	31.1	.133	68.7	225	.2	..	1.0	N., *WNW.*
	12	18.5	766.90	30.101	63.	30.194	30.101	....	37.	31.1	.133	68.7	240	.3	..	1.0	N., Ci-s., *WNW.*
	13	18.	766.60	30.092	63.	30.182	30.089	....	37.9	32.2	.136	68.3	240	..	..	1.0	N., Ci s.
	14	18.2	766.05	30.068	63.	30.160	30.067	....	37.	32.2	.146	72.5	260	.1	..	1.0	Rain, N., Ci-cu., Ci-s., *WNW.*
	15	18.	765.70	30.056	63.	30.150	30.057	....	36 5	32.6	.160	75.3	250	.3	..	1.0	Ci-s., N.
	16	17.7	765.55	30.051	62.5	30.143	30.051	....	35.6	32.6	.169	78.	250	.2	.01	1.0	N., rain.
	17	17.7	765.40	30.045	62.2	30.136	30.046	....	33.5	32.	.182	91.	260	.1	.09	1.0	N., rain.
	18	17.	765.80	30.065	61.3	30.150	30.062	....	33.	32.	.188	91.	230	..	.07	1.0	N., rain.
	19	16.4	765.25	30.046	60.5	30.126	30.040	....	32.5	32.	.193	92.	230	..	.09	1.0	N., rain.
	20	16.6	765.00	30.034	60.	30.114	30.029	....	33.5	32.8	.197	93.	250	..	.06	1.0	N., rain.
	21	17.	765.00	30.032	60.7	30.114	30.028	....	33.5	32.8	.197	....	250	..	.05	1.0	N., rain.
	22	17.2	764.75	30.022	60.9	30.088	30.001	....	33.7	33.1	.200	94.	235	..	.04	1.0	N., rain.
	23	17.5	764.00	29.991	61.4	30.070	29.982	....	33.8	33.1	.199	95.4	249	..	.05	1.0	N., rain.

Observed dew point: 3*h.*, 37°.5; 9*h.*, 20°; 15*h.*, 26°.8.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
22	0	17.3	763.15	29.958	61.2	30.036	29.949	....	34.	33.4	.203	95.	235	..	.02	1.0	N., rain.
	1	17.9	762.60	29.934	61.9	30.010	29.920	....	34.8	34.1	.207	94.1	247	..	.01	1.0	N., rain.
	2	18.3	762.15	29.914	62.8	29.990	29.897	....	35.	34.3	.208	94.5	250	..	.02	1.0	N., rain.
	3	18.8	760.60	29.851	63.8	29.944	29.849	....	34.8	34.	.205	95.	240	.2	.01	1.0	N., slight rain.
	4	18.2	760.65	29.856	64.3	29.946	29.850	....	35.	34.5	.212	95.	240	.8	.03	1.0	N., slight rain.
	5	18.3	760.45	29.848	64.5	29.932	29.836	....	35.3	35.	.219	94.6	240	.7	.02	1.0	N., rain.
	6	19.3	761.00	29.864	64.7	29.956	29.860	....	36.2	35.2	.212	94.	220	.2	.06	1.0	N., rain.
	7	18.7	761.25	29.878	64.5	29.972	29.876	....	36.	35.5	.220	93.	215	..	..	1.0	N., rain.
	8	18.3	761.60	29.893	63.5	29.976	29 882	....	36.8	36.	.221	93.	210	..	.01	1.0	N., rain.
	9	18.2	761.70	29.897	63.5	29.980	29.886	....	37.5	36.4	.221	92.4	216	..	..	1.0	N., rain.
	10	18.7	762.00	29.907	64.	29.990	29.895	....	38.1	37.	.226	90.	230	..	..	1.0	N., Ci-s.
	11	18.8	761.80	29.899	64.5	29.993	29.897	....	38.6	37.3	.225	89.7	200	..	..	1.0	N., Ci-s.
	12	18.3	761.70	29.897	63.9	29.987	29.891	....	38.8	37.7	.232	90.	205	..	..	1.0	N., Ci-s.
	13	18.	761.60	29.895	62.5	29.984	29.889	....	39.	37.3	.221	88.	205	..	..	1.0	N., Ci-s., *N.*
	14	17.	761.60	29.900	62.	29.983	29.892	....	38.6	37.1	.222	88.	165	..	..	1.0	N., Ci s.
	15	17.2	762.05	29.915	62.	30.006	29.916	....	38.4	36.7	.216	88.	165	..	..	1.0	N., drizzling rain.
	16	17.7	762.40	29.927	63.2	30.017	29.927	....	37.8	36.4	.217	89.3	170	.02	..	1.0	N.
	17	18.9	763.00	29.944	63.7	30.038	29.945	....	37.4	36.5	.224	88.2	180	..	.01	1.0	N., *N.*
	18	18.1	763.80	29.981	63.7	30.066	29.975	....	38.	36.	.207	86.2	195	..	..	1.0	N., Ci-s., *N.*
	19	18.4	764.10	29.991	63.7	30.076	29.982	....	38.	36.5	.217	86.	180	..	..	1.0	N., Ci-s., N.
	20	17.8	764.70	30.018	63.	30.100	30.007	....	38.	36.	.207	87.1	175	..	..	1.0	N., Cu.
	21	17.8	764.90	30.026	62.8	30.106	30.013	....	38.	36.	.207	88.	190	..	..	1.0	N., Cu.
	22	17.	765.00	30.033	61.9	30.114	30.024	....	37.	35.5	.210	90.	175	..	..	1.0	N., Ci-s.
	23	16.1	765.00	30.037	60.6	30.114	30.028	....	36.3	35.3	.213	91.3	175	..	..	1.0	N., Ci-s.

Observed dew point: 3*h.*, 33°.5; 9*h*, 34°.6; 15*h.*, 35°.3; 21*h*, 33°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
23	0	16.	765.00	30.037	59.9	30.114	30.029	....	36.4	35.4	.214	91.	190	..	..	1.0	N., Ci-s.
	1	16.3	765.50	30.056	59.5	30.134	30.051	....	34.7	33.	.188	87.	210	.1	..	1.0	N., Ci-s.
	2	16.5	765.75	30.066	60.	30.138	30.053	....	34.	32.	.176	86.5	210	.5	..	1.0	N., Ci-s
	3	16.7	765.85	30.068	60.5	30.144	30.058	....	33.8	32.	.179	86.	210	.4	..	1.0	N., Ci s.
	4	17.6	766.10	30.074	63.	30.158	30.065	....	32.8	30.	.158	85.	240	.2	..	1.0	N., Ci-s.
	5	16.4	766.50	30.096	60.3	30.164	30.078	....	32.6	30.	.160	84.5	240	.3	..	1.0	N.
	6	14.5	767.45	30.137	58.5	30.210	30.130	....	32.5	30.	.161	82.	240	..	..	1.0	N.
	7	13.4	767.80	30.160	57.4	30.222	30.145	....	33.	30.5	.164	81.	240	..	..	1.0	N.
	8	16.7	768.30	30.165	56.3	30.252	30.177	....	33.5	30.5	.159	78.5	240	..	..	1.0	N.
	9	18.	768.85	30.172	59.8	30.264	30.178	....	34.5	31.	.156	77.3	245	.2	..	.9	Cu., Ci-cu., *N.*
	10	18.	768.80	30.178	61.2	30.270	30.181	....	36.1	32.1	.154	75.	240	.2	..	.9	Cu., Ci., Ci-cu., *N.*
	11	19.	768.65	30.167	63.	30.265	30.171	....	38.7	34.6	.172	75.	250	.2	..	.9	Cu., Ci., Ci-cu., *N.*
	12	20.	768.60	30.160	65.	30.264	30.164	....	40.5	36.5	.188	73.	225	.1	..	.9	Cu., Ci., Ci-cu., *N.*
	13	19.5	768.45	30.157	65.2	30.258	30.158	....	41.	36.	.173	71.	235	..	..	1.0	Cu., Ci., Ci-cu., *N.*
	14	19.	768.00	30.141	65.	30.240	30.140	....	41.	36.5	.183	70.	210	..	..	1.0	Cu., Ci-cu., *N.*
	15	19.3	768.00	30.140	65.1	30.238	30.138	....	41.5	36.7	.180	70.7	125	..	..	1.0	Cu., Ci-cu., *N.*
	16	19.2	767.90	30.136	65.2	30.230	30.130	....	41.2	37.2	.194	72.	135	..	..	1.0	Cu., Ci-cu., *N.*
	17	19.3	768.00	30.140	65.3	30.233	30.132	....	40.3	36.	.181	71.	135	..	..	1.0	Cu., Ci-cu.,N., *N.*
	18	18.9	768.00	30.142	64.7	30.233	30.135	....	40.	36.4	.192	72.5	135	..	..	1.0	Cu., Ci-cu., N.
	19	17.2	768.30	30.162	63.	30.246	30.152	....	38.5	35.	.182	74.2	300	.1	..	1.0	Cu.
	20	17.6	769.00	30.188	61.3	30.276	30.186	....	37.5	34.5	.184	74.8	310	..	..	1.0	Cu., Ci-s.
	21	17.6	769.35	30.202	61.5	30.290	30.200	....	37.	34.5	.190	74.	335	..	..	1.0	Cu., Ci-s.
	22	18.3	769.20	30.192	62.5	30.284	30.193	....	36.	33.1	.174	74.2	340	..	..	1.0	Cu., Ci-cu., Ci-s.
	23	18.8	769.30	30.193	63.6	30.286	30.192	....	35.2	32.8	.178	75.	350	..	..	.9	Cu., Ci-cu.

Observed dew point: 9*h.*, 26°.4; 15*h.*, 33°.6; 21*h.*, 26°.7.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
24	0	19.1	769.35	30.194	64.6	30.286	30.188	....	33.5	31.8	.181	76.	350	..	..	.4	Cu., Ci-cu., *NW.*
	1	19.2	769.50	30.200	65.	30.288	30.188	....	35.	33.2	.188	77.5	350	..	..	.5	Cu., Ci-cu., *NW.*
	2	19.4	769.20	30.187	65.2	30.280	30.180	....	35.5	33.1	.173	76.2	350	..	..	.2	Ci-s.
	3	18.8	769.50	30.200	65.5	30.300	30.199	....	35.7	33.5	.185	77.5	350	..	..	.8	Ci-s.
	4	18.7	769.55	30.202	65.5	30.302	30.201	....	35.	32.5	.174	78.	350	..	..	1.0	N., Ci s.
	5	19.7	769.55	30.198	65.2	30.302	30.202	....	34.5	32.	.170	80.	350	..	..	1.0	Ci-s.
	6	19.8	770.15	30.221	65.	30.324	30.224	....	34.5	32.5	.180	80.5	350	..	..	1.0	Ci s.
	7	18.5	770.50	30.240	65.	30.330	30.230	....	35.5	33.	.178	80.	350	..	..	1.0	Ci s.
	8	17.7	770.40	30.240	63.8	30.324	30.227	....	37.5	34.5	.183	79.	350	..	..	1.0	Ci-s.
	9	17.2	770.40	30.243	62.	30.334	30.243	....	39.5	36.1	.191	78.	340	.1	..	1.0	Ci-s., Ci-cu.
	10	18.	770.35	30.237	62.3	30.332	30.240	....	41.8	37.3	.189	74.	340	.1	..	1.0	Ci-s., Ci-cu.
	11	19.2	770.20	30.226	64.	30.328	30.231	....	42.5	37.6	.187	72.5	340	.1	..	1.0	Ci-s., Ci-cu.
	12	19.7	769.80	30.208	65.	30.308	30.208	....	44.5	39.1	.194	72.	340	.1	..	1.0	Ci-s., Ci-cu.
	13	19.2	769.40	30.195	65.2	30.292	30.192	....	44.5	39.	.192	71.	330	.3	..	1.0	Ci-s.
	14	19.9	769.00	30.175	66.	30.275	30.173	....	44.	39.	.198	70.3	300	.2	..	1.0	N., Ci-s.
	15	20.1	768.40	30.151	66.5	30.252	30.149	....	44.6	39.	.191	70.	285	.5	..	1.0	N., Ci-s.
	16	20.1	768.50	30.155	67.	30.258	30.153	....	41.7	37.5	.183	70.6	310	.4	..	1.0	N., Ci-s.
	17	19.	768.00	30.142	66.	30.238	30.137	....	41.	36.	.173	74.	335	.5	..	1.0	N., Ci-s.
	18	17.9	767.40	30.123	64.5	30.200	30.104	....	39.4	36.	.191	75.	315	1.0	..	1.0	N., Ci-s.
	19	17.3	767.55	30.136	63.2	30.218	30.125	....	38.3	35.7	.197	79.5	310	.8	..	1.0	N., raining hard.
	20	16.5	766.90	30.112	61.3	30.188	30.100	....	37.7	36.4	.218	89.	285	.3	..	1.0	N., raining hard.
	21	16.2	766.50	30.096	60.7	30.174	30.088	....	36.5	35.5	.215	91.2	265	..	.03	1.0	N., raining hard.
	22	16.9	766.20	30.081	60.5	30.160	30.074	....	36.6	36.	.223	93.	266	..	.06	1.0	N., raining hard.
	23	17.2	766.00	30.071	61.	30.150	30.063	....	37.	36.1	.220	93.	271	..	.02	1.0	N.

Observed dew point: 9*h.*, 32°.5; 15*h.*, 28°.7; 21*h.*, 33°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
25	0	17.2	765.00	30.031	61.7	30.124	30.036	....	37.	36.	.219	94.	236	..	.01	1.0	N., rain.
	1	17.5	764.65	30.017	61.8	30.100	30.011	....	37.2	36.7	.229	94.	241	..	.04	1.0	N., rain.
	2	17.6	764.00	29.991	62.	30.064	29.974	....	37.7	37.1	.232	94.	253	..	.08	1.0	N., rain.
	3	17.5	762.00	29.912	62.	29.999	29.909	....	39.	38.5	.245	93.5	268	.2	.02	1.0	N., rain.
	4	17.7	761.40	29.888	61.7	29.972	29.884	....	40.	39.3	.250	93.	270	.1	..	1.0	N., rain.
	5	19.4	760.45	29.843	62.2	29.932	29.842	....	39.	38.4	.243	92.5	270	.1	..	1.0	N., rain.
	6	18.8	759.90	29.825	63.5	29.900	29.812	....	40.5	40.	.258	94.	270	.4	..	1.0	N., rain.
	7	17.6	760.00	29.834	63.	29.922	29.829	....	41.	40.5	.263	92.5	260	.3	..	1.0	N., rain.
	8	16.5	759.65	29.826	61.8	29.900	29.810	....	41.	40.	.253	92.5	260	.4	.02	1.0	N., rain.
	9	15.7	759.10	29.808	60.	29.892	29.808	....	41.2	40.5	.261	92.	260	.8	.09	1.0	N., rain.
	10	15.3	758.10	29.771	59.	29.852	29.771	....	41.6	40.6	.259	92.	245	.3	.02	1.0	N., rain.
	11	16.7	757.60	29.745	59.7	29.832	29.750	....	41.2	40.5	.261	92.	250	1.0	.05	1.0	N.
	12	18.	756.40	29.691	61.5	29.783	29.695	....	41.6	40.9	.265	92.3	250	1.7	..	1.0	N.
	13	19.	756.40	29.686	63.7	29.780	29.687	....	42.5	41.7	.272	92.5	250	1.3	..	1.0	N.
	14	19.	755.40	29.647	64.3	29.742	29.647	....	43.	42.5	.282	93.	250	.6	..	1.0	N., S.
	15	18.	754.55	29.619	64.	29.710	29.616	....	42.7	42.	.275	92.	240	1.3	..	1.0	N., S.
	16	18.3	756.60	29.698	63.7	29.792	29.699	....	42.5	41.5	.268	91.7	170	1.0	..	1.0	N., S.
	17	19.	755.10	29.635	64.	29.734	29.640	....	41.1	40.5	.262	92.3	230	.7	.01	1.0	N., thunder.
	18	19.1	754.85	29.626	64.8	29.720	29.624	....	39.5	39.	.249	92.5	235	.6	.06	1.0	N., thunder, raining.
	19	18.4	755.15	29.641	64.2	29.728	29.634	....	39.5	38.7	.244	91.5	200	.5	.02	1.0	N., rain stopped.
	20	18.1	757.15	29.720	63.3	29.804	29.710	....	39.8	38.5	.236	90.	170	.2	..	1.0	N.
	21	18.4	757.00	29.712	63.2	29.800	29.707	....	39.5	37.3	.215	89.	185	..	..	1.0	N.
	22	18.9	757.10	29.713	63.8	29.894	29.699	....	39.6	38.7	.243	89.1	202	..	..	1.0	N., Ci-s.
	23	19.4	757.40	29.723	64.8	29.814	29.716	....	39.8	37.7	.221	88.4	201	..	..	1.0	N., Ci s.

Observed dew point: 3*h.*, 38°; 9*h.*, 38°.8; 15*h.*, 40°.7; 21*h.*, 33°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
26	0	19.8	758.00	29.745	65.5	29.830	29.731	....	40.	38.6	.236	89.	201	..	..	1.0	N.
	1	20.	757.55	29.724	66.1	29.822	29.721	....	40.2	39.	.242	89.	184	..	.	.9	N., Ci s.
	2	20.2	757.70	29.731	66.8	29.824	29.721	....	40.5	39.5	.249	91.5	77	..	..	1.0	N., Ci-s.
	3	20.2	757.70	29.731	66.5	29.828	29.726	....	41.	40.	.253	92.	35	..	..	1.0	N., Ci-s.
	4	20	757.80	29.736	66.	29 836	29.735	....	41.	39.5	.243	92.	100	..	..	1.0	N., Ci s.
	5	18.5	757.95	29.749	64.5	29 844	29.748	....	41.	39.	.232	92.	110	..	..	1.0	N., Ci-s.
	6	17.8	758.00	29 754	63.2	29.850	29.757	....	41.	38.	.212	92.	120	..	..	1.0	N., Ci s.
	7	17.	758.85	29.792	62.	29.866	29.776	....	43.	40.	.230	91.	120	..	..	1.0	N., Ci s.
	8	18.5	759.25	29.799	62.8	29.890	29.797	....	45.6	42.6	.255	83.	120	.4	..	1.0	Cu., Ci-cu.
	9	20.	759.70	29.810	65.	29.913	29.815	....	46.5	41.6	.225	75.	120	1.5	..	1.0	Cu., Ci-cu., Ci s.
	10	19.5	760.45	29.843	65.6	29.940	29.841	....	46.2	40.7	.208	71.7	120	3.2	..	1.0	Cu., Ci-cu., Ci-s.
	11	18.7	760.85	29.863	65.	29.958	29.860	....	46.2	40.5	.205	70.	120	3.2	..	.9	Cu., Ci-cu.
	12	17.	760.70	29.865	63.	29.952	29.859	....	48.	42.2	.220	68.5	120	5.5	..	.9	Cu., Ci cu.
	13	17.9	761.15	29.878	62.7	29.960	29.869	....	47.5	42.	.221	67.8	130	4.0	..	1.0	Cu.
	14	19.7	761.90	29.919	64.6	29.996	29.900	....	46 5	42.9	.253	68.9	130	4.3	..	1.0	Cu., N.
	15	20.1	763.00	29.939	66.2	30.036	29 935	....	45.5	42.	.244	68.	130	2.3	..	1.0	Cu., N.
	16	19.1	763.50	29.963	66.2	30.066	29.965	....	43.5	39.5	.215	68.5	130	3.5	..	1.0	Cu., N.
	17	18.	764.30	30.001	64.8	30.098	29.900	....	43.2	39.	.208	68.	130	3.5	..	1.0	Cu.
	18	17.	765.10	30.037	62.5	30.118	30.027	....	42.9	38.5	.202	68.	130	2.3	..	1.0	Cu.
	19	16.3	765.40	30.052	61.3	30.132	30.044	....	42.5	38.4	.204	68.7	110	.2	..	1.0	Cu.
	20	14.7	765.80	30 076	58.7	30.150	30.070	....	41.4	37.2	.192	69.	135	1.0	..	..	Clear.
	21	14 3	766.35	30.099	57.2	30.148	30.072	....	40 7	37.6	.208	69 8	135	2.0	..	..	Clear.
	22	14.8	766.45	30.102	57.	30.160	30.084	....	40.6	37.4	.205	69.	125	2.0	..	..	Clear.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	125	1.3	..	..	Clear.

Observed dew point: 3*h.*, 38°; 9*h.*, 37°; 21*h.*, 26°.5.

Date.		Barometer No. 1.			Barometer No 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
28	0	13.	760.40	29.872	53.8	29.916	29.848	....	49.8	43.4	.225	69.6	..	.2	..	.2	Cu., Ci-cu., *W.*
	1	15.7	760.00	29.843	55.9	29.912	29.838	....	43.9	38.8	.195	83.8	..	..	..	.1	Ci-cu.
	2	18.8	760.35	29.841	60.7	29.932	29.846	....	52.	42.2	.173	58.6	..	.5	..	..	Clear.
	3	19.4	761.00	29.864	64.6	29.958	29.862	....	48.	42.	.215	52.2	..	2.5	..	..	Clear.
	4	19.7	761.10	29.867	64.5	29.960	29.864	....	46.3	39.	.170	53.	..	3.5	..	..	Clear.
	5	20.5	762.00	29.897	65.2	29.992	29.900	....	45.7	37.	.139	55.	..	3.0	..	..	Clear.
	6	21.2	763.15	29.940	67.4	30.040	29.936	....	42 5	33.5	.107	60.	..	2.0	..	..	Clear.
	7	20.	763.30	29.951	67.	30.044	29.941	....	42.5	35.5	.146	62.	..	3.5	..	..	Clear.
	8	17.3	763.35	29.966	65.	30.050	29.952	....	43.2	36.4	.156	63.	..	4.8	..	.6	Cu., Ci-cu.
	9	16.8	763.10	29.959	62.7	30.044	29.953	....	44.	36.5	.150	62.5	150	7.0	..	.3	Cu., *NNW.*
	10	17.8	763 00	29.950	62.2	30.040	29.950	....	45.	37.5	.158	62.7	150	6.0	..	.3	Cu., *NNW.*
	11	17.8	763.10	29.954	62.6	30.044	29.953	66.	46.1	38.5	.166	63.	150	8.0	..	.4	Cu., *NNW.*
	12	18.5	763.60	29.970	63.	30.068	29.975	66.	47.3	38.6	.155	60.	150	6.5	..	.3	Cu., *NNW.*
	13	21.2	764.30	29.986	66.2	30.092	29.991	....	48.	39.	.154	59.3	150	4.5	..	.4	Cu., *NNW.*
	14	20.9	764.40	29.991	67.5	30.100	29.996	69.5	48.3	39.3	.157	59.	150	6.0	..	.4	Cu., *NNW.*
	15	19.8	765.00	30.020	66.8	30.120	30.017	72.	48.5	39.2	.153	58.3	150	6.0	..	.3	Cu., *NNW.*
	16	19 5	765.25	30.031	66.	30.130	30.029	....	47.5	38.4	.148	58.5	160	4.0	..	.1	Cu., *NNW.*
	17	18.6	766.40	30 081	65.	30.172	30.074	....	45.6	38.3	.166	60.	160	3.0	..	..	Clear.
	18	17.5	767.20	30.117	63.4	30.202	30.108	....	42.4	36.4	.165	59.	160	3 3	..	..	Clear.
	19	17.1	767.60	30.136	62.2	30.226	30.136	....	41.	34.5	.144	62.	160	2.8	..	..	Clear.
	20	16.	769.30	30.205	60.3	30.290	30.203	....	37.7	32.5	.144	64.	200	3.0	..	..	Clear.
	21	15.	770.00	30.238	60.6	30.314	30.232	35.	35.5	30.8	.123	66.	180	2.2	..	..	Clear.
	22	16.1	771.30	30.284	59.2	30.360	30.277	33.6	33.7	28 5	.123	70.	187	..	..	..	Clear.
	23	15.8	771.25	30 284	58.8	30.358	30.275	32.	33.6	29.	.132	70.3	169	..	..	..	Clear.

Observed dew point: 3*h.*, 38°.2; 21*h.*, 18°.4.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
29	0	15.6	771.25	30.285	59.2	30.350	30.267	31.3	33.5	29.8	.146	70.8	153	..	..	..	Clear.
	1	15.5	771.45	30 293	58.6	30.364	30.282	30.1	33.2	30.7	.164	71.	153	..	..	..	Clear.
	2	16.2	771.60	30.297	59.1	30.376	30.293	27.4	31.7	28.5	.143	74.	142	..	..	.3	Ci., Ci-s.
	3	15.7	771.20	30.283	58.7	30.354	30.272	28.	32.1	29.	.147	74.2	142	..	..	.7	Ci., Ci s.
	4	16.3	771.50	30.291	58.9	30.368	30.285	28.	31.	28.6	.152	77.	142	..	..	..	Clear.
	5	16.9	771.65	30.295	59.8	30.380	30.294	28.	31.2	28.3	.145	76.4	142	..	..	..	Clear.
	6	16.8	772.25	30.319	60.5	30.392	30.305	....	32.4	29.1	.145	74.	142	..	..	..	A few Ci-s. in *E*.
	7	17.3	772.55	30.328	61.2	30.418	30.329	....	35.5	31.5	.155	71.9	127	..	..	..	Clear.
	8	18.7	772.70	30.327	62.3	30.424	30.332	....	38.2	34.3	.171	70.	127	..	..	.05	Ci., Ci-cu.
	9	20.	773.50	30.352	64.4	30.450	30.352	....	40.8	34.4	.143	65.7	127	..	..	.1	Ci-s., Ci-cu.
	10	20.2	773.30	30.343	65.8	30.436	30.334	....	43.	36.5	.159	64.	142	..	..	.3	Ci-s., Ci cu., Ci.
	11	21.8	772.60	30.309	67.7	30.420	30.314	80.1	46.5	40.4	.197	63.2	124	..	..	.6	Ci.
	12	23.1	772.00	30.279	70.3	30.396	30.283	89.	48.2	40.4	.179	60.3	50	..	..	.3	Ci., Ci-cu.
	13	23.2	771.30	30.251	71.3	30.370	30.254	....	51.	43.3	.209	63.	5	..	..	.6	Ci., Ci-cu.
	14	23.3	770.45	30.216	72.	30.334	30.216	....	53.4	45.4	.228	61.	40	..	..	.7	Ci., Ci-cu.
	15	22.	769.55	30.187	71.	30.300	30.185	....	53.5	44.1	.198	59.3	30	.1	..	.6	Ci., Ci-cu.
	16	21.9	769.00	30.166	70.5	30.280	30.166	....	53.2	44.7	.214	61.3	20	.4	..	.8	Ci.
	17	20.6	768.55	30.156	69.1	30.240	30.131	....	51.5	43.	.196	62.2	15	.4	..	.9	Ci., Ci-s.
	18	20.	767.75	30.126	67.9	30.220	30.113	....	50.	45.	.257	66.2	15	.3	..	1.0	Ci., Ci-s.
	19	19.6	767.60	30.122	66.8	30.210	30.106	....	48.4	44.4	.262	70.	15	..	..	1.0	Ci., Ci-s.
	20	17.9	767.20	30.115	64.8	30.186	30.088	....	44.8	42.5	.262	73.2	15	1.2	..	1.0	Ci., Ci-s.
	21	17.2	767.30	30.122	63.3	30.170	30.096	....	44.5	40.7	.228	76.	360	..	..	1.0	N., rain.
	22	15.6	766.25	30.089	61.3	30.162	30.074	....	43.8	41.4	.251	78.9	358	.5	..	1.0	Very dark.
	23	15.1	765.50	30.062	59.8	30.134	30.049	....	44.3	41.	.236	82.4	358	.3	..	1.0	No stars visible.

Observed dew point: 3*h*., 17°.3; 9*h*., 27°; 15*h*., 30°.6; 21*h*., 33°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
30	0	17.	764.65	30.020	60.4	30.094	30.008	....	44.6	41.5	.244	82.	..	.6	..	1.0	Cu., N.
	1	18.8	764.35	29.998	63.	30.080	29.987	....	44.3	41.2	.241	82.4	..	1.3	..	1.0	N.
	2	19.3	763.10	29.947	65.	30.032	29.934	....	44.	40.9	.238	82.5	..	1.0	..	.8	Ci-cu., Ci-s , S.
	3	16.5	762.00	29.918	67.5	29.998	29.894	....	43.7	40.5	.233	83.	..	.6	..	1.0	Ci-cu., Ci-s., S.
	4	21.2	761.30	29.868	68.3	29.964	29.857	....	44.	41.	.240	84.	..	.2	..	1.0	Ci-s., S.
	5	21.4	760.75	29.846	68.3	29.946	29.839	....	44.2	41.	.238	84.	..	..	..	1.0	Ci-s., S.
	6	21.7	759.75	29.804	69.2	29.900	29.791	....	44.	41.	.240	86.	..	..	..	1.0	Ci-cu., Ci s., S.
	7	21.4	759.50	29.796	69.4	29.900	29.790	....	45.	42.5	.260	86.	..	..	..	.8	Ci-cu., Ci-s., S.
	8	20.3	758.20	29.750	68.2	29.850	29.744	....	48.	45.	.280	85.	..	..	..	.9	Ci-cu., Ci-s., S.
	9	19.5	757.50	29.727	67.	29.822	29.719	....	51.	46.2	.274	80.	..	.2	..	1.0	Ci-cu., Ci-s., S.
	10	20.8	757.00	29.700	67.2	29.800	29.697	....	56.5	50.5	.313	76.5	..	..	..	..	Clear.
	11	21.8	756.10	29.660	68.8	29.766	29.659	....	61.	52.	.299	69.9	..	.8	..	..	Clear.
	12	21.	755.25	29.632	69.5	29.730	29.622	....	63.8	54.	.320	68.	..	1.0	..	1.0	Ci-cu., Cu.
	13	22.4	754.35	29.590	70.4	29.690	29.580	....	66.7	56.	.340	65.	..	1.0	..	1.0	Ci-s.
	14	23 4	753.70	29.560	71.4	29.670	29.557	....	67.7	57.	.355	64.	40	1.9	..	1.0	Ci-s.
	15	24.3	753.65	29.553	73.2	29.664	29.547	....	69.	58.	.368	65.	50	1.1	..	1.0	Ci s.
	16	25.	753.60	29.548	74.5	29.664	29.543	....	71.	59.	.374	63.	110	.3	..	1.0	Ci-s , Ci cu.
	17	25.	753.90	29.560	75.	29.676	29.554	....	70.	61.	.442	64.	115	.3	..	1.0	Ci-s., Ci-cu.
	18	24.8	754.30	29.577	75.2	29.692	29.570	....	68.5	60.	.428	67.	110	.1	..	1.0	Ci s., Ci-cu.
	19	24.5	754.60	29.591	75.	29.712	29.590	....	67.5	58.5	.397	69.	110	1.2	..	1.0	Ci-s., Ci cu.
	20	24.5	755.45	29.624	74.8	29.746	29.624	....	64.	56.	.370	75.	110	.5	..	1.0	Ci-cu., Ci-s.
	21	25.5	756.30	29.649	75.5	29.778	29.655	....	59.	52.5	.334	78.2	115	1.3	..	.3	Ci-cu., Cu.
	22	24.4	757.85	29.717	75.5	29.834	29.708	....	53.1	48.3	.297	79.	187	2.5	..	.2	Ci-s.
	23	23.8	758.00	29.724	74.6	29.838	29.717	....	51.1	46.2	.272	79.	155	2.0	..	..	Clear.

Observed dew point: 3*h* , 36°.5; 9*h*., 45°; 15*h*., 47°; 21*h*., 44°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
31	0	22.7	758.00	29.730	72.6	29.838	29.720	....	49.7	44.2	.242	79.8	159	.2	..	.2	Ci-s.
	1	22.1	758.25	29.742	71.5	29.848	29.733	....	48.6	44 3	.259	79.	152	..	..	.3	Ci-s.
	2	22.	758.80	29.766	70.7	29.860	29.748	....	47.2	43.	.216	78.1	130	..	..	..	Clear.
	3	21.9	758.55	29.756	70.	29.860	29.749	44.	46.6	42.	.232	78.3	120	.3	..	..	Clear.
	4	21.8	759.05	29.776	69.7	29.880	29.770	44.	46.	41.6	.231	79.	122	.2	..	.5	Ci-s., Ci-cu.
	5	21.5	759.25	29.785	69.3	29.896	29.786	46.	47.3	42.3	.230	76.9	118	.7	..	.8	S.
	6	21.4	759.85	29.810	69.2	29.894	29.784	....	47.5	41.	.201	75.	128	1.8	..	.7	Ci-cu., Cu.
	7	21.9	760.45	29.831	69.	29.920	29.811	....	48.	42.	.216	73.5	128	2.8	..	.2	Ci-s. and S.
	8	23.7	760.75	29.835	71.1	29.924	29.810	....	49.3	41.3	.187	69.5	127	2.3	..	.1	Cu.
	9	22.3	761.00	29.850	71.6	29.958	29.813	70.	49 5	39 5	.148	61.	130	4 0	..	..	Clear.
	10	21.7	761.30	29.865	71.	29.975	29 861	71.5	49.	37.7	.117	57.	130	5 0	..	..	A few small Ci. in Hor.
	11	20.	761.45	29.879	69.	29.976	29.867	69.	48.8	37.8	.122	57.	130	6.7	..	..	A few small Ci. in Hor.
	12	19.	761.30	29.878	66.8	29.970	29.867	70.	49.	39.	.143	59.	140	6.2	..	.2	Cu., *NW.*
	13	18.	761.50	29.891	64.5	29.980	29.884	....	48.	37.6	.126	58.	150	5.2	..	.6	Cu., *NW.*
	14	17.	761.50	29.896	63.	29.980	29.887	....	48.5	38.5	.139	59.	150	5.0	..	.8	Cu , *WNW.*
	15	16.3	762.00	29.918	61.	29.998	29.911	....	47.5	37.5	.130	61.	100	4.5	..	1.0	Cu., *WNW.*
	16	16.7	762.75	29.946	60.7	30.029	29.913	....	47.	39.	.164	62.	140	4.0	..	.2	Cu., *WNW.*
	17	18.3	764.00	29.987	62.	30.078	29.988	....	44.	36.5	.149	62.8	130	5.7	..	..	A few Cu.
	18	19.1	765.25	30.032	64.1	30.130	30.035	....	42.5	36.	.156	56.	130	6.0	..	..	Clear, a few Cu.
	19	19.6	765.80	30.052	64.9	30.152	30.054	....	41.	32.5	.106	57 2	130	4.5	..	..	A few Cu.
	20	19.	767.75	30.132	65.3	30.226	30.127	....	37.5	31.5	.135	61.0	180	1.7	..	..	Clear.
	21	19.	768.40	30.158	65.	30.256	30.158	....	35.2	29.9	.131	63.5	180	.2	..	..	Clear.
	22	17.8	768.75	30.178	63.9	30.260	30.165	32.	33.	29.4	.145	65.5	184	.2	..	..	Clear.
	23	17.4	769.10	30.192	62.8	30.262	30.169	30.5	32.4	28.3	.133	66.	201	..	..	..	Clear.

Observed dew point: 3*h.*, 37°; 21*h.*, 18.°5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
1	0	16.9	769.60	30.214	61.8	30.316	30.225	28.1	31.2	28.	.141	67.7	193	..	..	..	Clear.
	1	17.4	770.30	30.238	62.	30.322	30.231	26.	29.9	26.8	.134	68.8	193	..	..	..	Clear.
	2	18.	770.50	30.243	62.8	30.324	30.230	24.	28.6	25.6	.128	70.9	192	..	..	.1	Ci-s.
	3	19.3	770.55	30.238	63.5	30.344	30.249	23.	28.	25.	.125	72.	190	..	..	.2	Ci., Ci-cu.
	4	18.5	771.20	30.268	63.8	30.350	30.253	22.5	26.	23.	.114	74.	190	..	..	..	Clear.
	5	18.8	771.85	30.293	63.8	30.386	30.259	....	27.5	24.2	.118	72.	190	..	..	..	Clear.
	6	19.2	772.55	30.319	63.7	30.426	30.331	....	29.5	26.	.125	70.	190	..	..	..	Clear.
	7	18.2	773.05	30.340	64.	30.430	30.333	....	30.7	26.7	.124	70.	190	..	..	..	Clear.
	8	17.5	773.00	30.345	63.	30.422	30.328	....	32.5	27.	.112	67.	145	.4	..	..	Clear.
	9	16.8	773.25	30.359	62.	30.450	30.359	66.5	33.5	27.3	.104	66.	150	1.2	..	..	Clear.
	10	18.	773.50	30.362	62.	30.458	30.367	64.5	34.1	28.	.110	65.	170	1.2	..	.1	Ci. in *W.*
	11	19.4	773.75	30.365	64.	30.464	30.367	67.	36.5	29.8	.115	64.	170	.7	..	.1	Ci.
	12	19.5	773.30	30.346	66.	30.450	30.348	67.5	37.6	31.	.124	63.5	150	1.0	..	.1	Ci.
	13	20.	773.00	30.332	66.	30.428	30.326	67.	39.7	32.2	.115	63.	140	1.5	..	.1	Ci. (light.)
	14	20.	772.20	30.300	66.3	30.408	30.305	71.5	41.6	33.6	.119	61.	135	1.3	..	.2	Ci.
	15	21.	772.00	30.288	67.5	30.388	30.282	71.	43.4	35.3	.131	59.3	135	.8	..	.1	Ci. in *SW.*
	16	20.9	771.70	30.277	67.8	30.382	30.275	....	44.7	35.	.111	58.	110	.6	..	.1	Ci. in *SW.*
	17	20.6	771.70	30.279	67.5	30.382	30.276	....	45.5	36.5	.131	57.	90	.5	..	..	Clear.
	18	20.	771.60	30.277	67.	30.379	30.274	....	44.	37.5	.168	57.2	110	.3	..	..	Clear.
	19	19.1	771.20	30.265	66.	30.364	30.262	....	41.8	36.5	.174	61.	110	..	..	..	Clear.
	20	19.1	771.45	30.275	64.8	30.374	30.275	....	38.5	33.4	.152	64.	60	..	..	..	Clear.
	21	19.7	771.45	30.273	65.5	30.374	30.273	38.2	37.	34.	.180	71.	60	..	..	..	Clear.
	22	18.6	771.15	30.266	65.	30.350	30.250	35.	37.	34.	.180	74.1	33	..	..	..	Clear.
	23	18.2	771.35	30.275	64.	30.356	30.259	34.8	38.2	34.6	.177	74.6	27	..	..	..	Clear.

Observed dew point: 3*h.*, 20°; 21*h.*, 23°.8.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
2	0	17.8	770.40	30.241	63.1	30.336	30.242	....	38.2	34.	.166	75.	27	..	..	.2	Ci cu.
	1	17 4	770.35	30.240	62.3	30.328	30.236	....	38.6	34.2	.165	75.6	28	..	..	.7	Ci-cu., Cu.
	2	16.8	770.15	30.236	61.5	30.310	30 220	....	39.	35.2	.180	76.	28	..	..	1.0	Ci-cu., Cu., Ci-s.
	3	17.5	770.20	30.234	61.8	30.320	30.230	....	39.	36.	.196	76.5	10	..	..	1.0	N.
	4	16.8	769.10	30.195	61.2	30.270	30.181	....	40.	36.5	.194	76.	10	.1	..	1.0	N.
	5	17 5	769.20	30.195	61.3	30.282	30.192	....	40.5	37 5	.208	76.	300	1.0	..	1.0	Ci-cu., Ci-s.
	6	17.	769.00	30.190	62.	30 272	30.182	....	41.5	37.9	.206	83.5	0	.8	..	1.0	Ci-cu., Ci-s.
	7	16.	768.80	30.186	61.2	30.264	30.177	....	42.5	39.5	.226	83.	0	1.5	..	1.0	Ci-cu., Ci-s.
	8	14.8	768.50	30.181	59.5	30.254	30.170	....	45.	40.	.207	82.	0	2.0	..	1.0	Ci-cu.
	9	14.	768.35	30.180	58.	30.250	30.171	....	47.5	43.	.242	78.3	35	2.0	..	.9	Ci., Ci cu., Ci-s., *W.*
	10	14.2	767.90	30.161	57.3	30.228	30.151	....	49.3	43.6	.235	77.	30	2 5	..	.7	Ci., Ci-cu., Ci-s., *W.*
	11	14.5	767.00	30.124	57.3	30.200	30.123	....	52.1	45.	.233	73.	40	3.0	..	.9	Ci., Ci-cu., Ci s., *W.*
	12	17.7	766.40	30.085	59.5	30.178	30.095	....	56.5	48.	.254	70.	45	2.3	..	.7	Ci., Ci cu., Ci s., *W.*
	13	19.8	765.65	30.046	63.2	30.146	30.053	....	61.1	51.1	.276	68.	45	2.8	..	.4	Ci-s.
	14	22.	765.25	30 019	67.2	30.132	30.029	....	64.	52.5	.278	65.3	45	3.0	..	..	Hazy in Hor.
	15	23.3	764.90	29.999	70.3	30.110	29.998	....	66.1	54.	.292	63.5	45	3.5	..	..	Hazy in Hor.
	16	24.7	764.65	29.983	73.2	30.100	29.981	....	67.5	55.5	.312	62.	45	3.5	..	..	Hazy in Hor.
	17	25.	764.30	29 967	74.7	30.088	29.965	....	66.	56.2	.349	64.2	45	3.0	..	..	Hazy in Hor.
	18	25.	764.20	29.963	75.7	30.090	29.964	....	63.5	55.	.345	66.	45	3.0	..	..	Hazy.
	19	24.7	764.20	29.965	75.5	30.091	29.965	....	61.4	53.	.318	68.	45	1.2	..	..	Hazy.
	20	24.1	761.55	29.981	75.	30.102	29.977	....	58.7	51.5	.313	70.2	35	.2	..	..	Hazy in Hor.
	21	23.	764.40	29.981	73.6	30.100	29.980	57.	58.	51.5	.319	71.	35	1.2	..	..	Hazy.
	22	21.7	764.25	29.981	71.1	30.094	29.980	....	57.5	51.	.312	71.2	35	1.0	..	..	Hazy.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	45	.2	..	..	

Observed dew point: 3*h.*, 28°.2; 9*h.*, 36°; 15*h.*, 40°.8.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
4	0	18.6	763.80	29.978	64.4	30.048	29.942	....	52.6	49 5	.332	82.	259	.3	..	1.0	N.
	1	17.6	763.05	29.953	63.4	30.034	29.940	....	52.7	49.6	.333	82.9	246	.2	..	1.0	N., rain.
	2	17.3	763.20	29.959	62.5	30.040	29.949	....	50.2	47.	.301	84.6	229	.3	.02	1.0	N.
	3	17.1	763.10	29 956	62.	30.034	29.944	....	50.	48.5	.338	90.	247	..	.01	1.0	N., rain.
	4	16.7	762.65	29.942	61.7	30.018	29.930	....	49.2	48.1	.338	90.9	240	1.0	.01	1.0	N., rain.
	5	17.5	762.55	29.934	61.5	30.016	29.928	....	49.2	48.	.335	91.	245	1.0	..	1.0	N., rain.
	6	22.2	764.10	29.971	66.7	30.100	29.998	....	47.5	45.6	.299	92.	250	1.7	..	1.0	N., rain.
	7	23.6	765.00	30.001	70.6	30.124	30.012	....	45.2	43.6	.282	90.3	250	.8	.01	1.0	N., rain.
	8	23.6	764.75	29.992	71.2	30.108	29.984	....	44.9	43.7	.287	90.2	259	.7	.04	1.0	N., rain.
	9	20.	765.25	30.028	69.	30.126	30.017	....	44.	43.	.282	92.	250	1.3	..	1.0	N., rain.
	10	18 3	765.10	30.030	66.3	30.122	30.020	....	44.	42.6	.273	87.5	250	2.2	.01	1.0	N.
	11	17.	765.60	30.057	63.5	30.138	30.044	....	43.	42.	.272	92.	250	1.5	.10	1.0	N., rain.
	12	15.7	764.90	30.026	61.	30.112	30.025	....	42.5	41.5	.268	92.	250	1.7	.10	1.0	N , rain.
	13	14.5	765.00	30.045	59.	30.116	30.034	....	42.	40.8	.258	91.3	250	2.8	.02	1.0	N.
	14	13.	764.80	30.045	56.3	30.110	30.035	....	41.2	40.2	.255	90.3	250	2.3	..	1.0	N., rain.
	15	14.5	764.85	30.040	56.	30.112	30.038	....	41.2	40.5	.261	93.	250	2.0	.01	1.0	N., rain.
	16	16.7	765.30	30.040	58.	30.128	30.049	....	41.6	40.5	.257	90.3	250	2.0	..	1.0	N.
	17	18.	765.30	30.040	61.3	30.128	30.040	....	42.	40.5	.252	90.	250	2.3	..	1.0	N.
	18	18.	765.20	30.040	62.5	30.128	30.037	....	41.	40.5	.263	91.	250	2.0	..	1.0	N.
	19	18.1	765.30	30.040	62.8	30.128	30.036	....	41.	40.5	.263	92.	250	2.0	..	1.0	N.
	20	18.	765.70	30.056	62.9	30.144	30.052	....	41.	40.	.253	92.	250	2.7	..	1.0	N.
	21	17.9	765 75	30.059	62.7	30.146	30.055	....	41.	40.1	.255	92.4	262	1.8	..	1.0	N.
	22	18.7	765.45	30.043	62.9	30.130	30.037	....	41.	39.9	.251	92.7	248	..	..	1.0	N.
	23	18.9	765.10	30.027	64.	30.116	30.021	....	40.6	39.6	.250	90.9	247	..	..	1.0	N.

Observed dew point: 3*h.*, 46°.1; 9*h.*, 42°.2; 15*h.*, 40°.3; 21*h.*, 37°.6.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
5	0	20.5	764.75	30.008	65.9	30.090	29.989	....	40.6	39.8	.254	93.	255	1.2	..	1.0	N., drizzle.
	1	21.	764.35	29.988	66.9	30.080	29.977	....	40.6	39.9	.256	92.3	259	.3	..	1.0	N., drizzle.
	2	19.6	764.00	29.981	66.2	30.064	29.963	....	40.3	39.6	.253	92.6	254	.2	..	1.0	N., drizzle.
	3	19.8	763.20	29.949	66.	30.044	29.943	....	40.5	40.	.258	93.	247	.2	.05	1 0	N., hard rain.
	4	20.5	763.35	29.950	66.3	30.044	29.943	....	40.	39.3	.250	93.	220	..	.04	1.0	N., hard rain.
	5	20.5	763.10	29.940	66.5	30.036	29.934	....	39.5	39.	.249	93.	230	..	.02	1.0	N., drizzle.
	6	20.6	763.50	29.956	67.5	30.050	29.946	....	40.	39.3	.250	93.	230	..	..	1.0	N.
	7	20.	763.85	29.973	67.	30.070	29.967	....	40.7	39.8	.253	91.	193	..	..	1.0	N.
	8	20.4	764.00	29.978	66.8	30.070	29.967	....	40.7	39.7	.251	91.	220	..	..	1.0	N.
	9	20.7	764.30	29.988	67.2	30.076	29.973	....	41.4	40.	.248	91.	250	..	..	1.0	N.
	10	20.	764.50	29.999	67.	30.100	29.997	....	42.	40.5	.252	89.4	215	..	..	1.0	N.
	11	19.7	764.40	29.997	65.5	30.082	29.983	....	43.5	42.	.266	88.	225	..	..	1.0	N.
	12	18.	764.00	29.989	64.	30.080	29.985	....	44.6	42.8	.271	88.	215	..	..	1.0	N.
	13	19.2	764.20	29.991	64.	30.084	29.989	....	46.4	44.2	.281	86.	190	..	..	1.0	N.
	14	21.5	764.20	29.981	67.	30.084	29.981	....	48.1	45.5	.291	85.	170	..	..	1.0	N.
	15	22.	764.10	29.974	69.	30.080	29.971	....	49.6	46.6	.298	83.	160	..	..	1.0	N.
	16	21.7	764.25	29.981	69.2	30.087	29.977	....	50.6	47.4	.306	82.7	150	..	..	.6	Ci., Cu.
	17	21.2	764.30	29.986	69.1	30.088	29.979	....	51.7	48.1	.310	81.7	150	..	..	..	A few Cu.
	18	20.3	764.95	30.016	68.	30.110	30.004	....	52.	49.	.327	81.5	150	..	..	..	Cu. at Hor.
	19	20.	765.15	30.024	67.	30.126	30.023	....	49.5	47.5	.321	87.	150	..	..	..	Cu. at Hor.
	20	18.8	766.00	30.063	65.2	30.156	30.058	....	46.5	45.	.297	88.2	150	..	..	.2	Cu.
	21	18.	766.50	30.088	64.	30.176	30.081	....	45.	44.	.293	90.2	150	..	..	.5	Cu.
	22	16.8	765.50	30.054	62.2	30.080	29.990	....	44.5	43.6	.290	90.7	69	..	..	..	Ci s., Cu.
	23	16.6	766.70	30.102	61.1	30.080	29.993	....	44.	43.1	.284	90.9	69	..	..	.2	Cu.

Observed dew point: 3*h.*, 41°; 9*h.*, 37°; 21*h.*, 42°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
6	0	16.9	766 75	30.103	60.9	30.096	30.009	....	44.8	44.	.295	90.8	69	..	..	.5	Cu.
	1	19.6	767.85	30.133	63.4	30.226	30.132	....	43.	42.5	.282	92.4	31	..	..	.8	S., foggy.
	2	20.5	768.10	30.138	65.6	30.236	30.137	....	41.7	41.2	.270	92.7	32	..	..	1.0	Dense fog.
	3	21.2	768.15	30.136	67.5	30.236	30.132	....	40.5	39.7	.253	92.	32	..	..	1.0	Dense fog.
	4	21.	768.20	30.138	67.5	30.240	30.136	....	41.	40.	.253	92.	30	..	..	.8	N.
	5	19 9	768.50	30.155	67.3	30.245	30.141	....	41.5	40.	.247	91.5	35	..	..	.4	N.
	6	19.8	769.00	30.174	67.2	30.270	30.165	....	41.7	40.	.245	91.	35	..	..	.1	Cu. at Hor.
	7	21.4	769.35	30.182	67.	30.284	30.181	....	45.3	43.6	.281	85.	35	..	..	..	Clear.
	8	22.	769.90	30.201	68.5	30.300	30.191	....	50.5	46.	.275	82.5	140	..	..	..	Clear.
	9	22.3	769.70	30.192	70.	30.303	30.190	....	52.5	46.5	.263	73.	235	..	..	..	Clear.
	10	21.7	769.40	30.183	70.2	30.290	30.177	92.	54.	48.5	.292	74.	240	..	..	.1	Ci. in *W.*
	11	22.	769.00	30.166	70.2	30.270	30.157	94.	56.1	49.9	.301	72.	310	..	..	.1	Ci. in *W.*
	12	22.	769.00	30.166	70.2	30.270	30.157	88.	57.3	50.8	.310	71.7	25	..	..	.3	Ci. in *W.*
	13	22.	768.25	30.137	70.2	30.242	30.129	86.5	59.8	53.	.337	71.	40	..	..	.7	Ci. in *W.*, *W.*
	14	22.	767.40	30.103	70.2	30.210	30.097	87.5	61.7	54.2	.346	69.5	30	..	..	.5	Ci. in *W.*, *W.*
	15	22.	766.70	30.076	70.2	30.186	30.073	....	62.4	54.	.332	68.	30	.2	..	.7	Ci., Ci-cu , *W.*
	16	22.	766.20	30.056	70.2	30.164	30.051	....	61.5	53.7	.335	68.5	35	.1	..	.9	Ci., Ci-cu., *W.*
	17	22.	765.80	30.041	70.	30.150	30.039	....	62.5	55.5	.370	70.	35	..	..	.8	Ci., Ci cu., *W.*
	18	21.5	765.30	30.024	69.9	30.130	30.019	....	59.3	53.	.342	77.	35	..	..	.9	Ci., Ci-cu., *W.*
	19	21.	765.60	30.037	69.3	30.142	30.032	....	56.5	52.5	.361	79.	35	..	..	.9	Ci., Ci-cu., Cu., *W.*
	20	20.	765.60	30.042	68.	30.142	30.036	....	53.	49.5	.328	80.	10	..	..	1.0	Cu., Ci-cu., *W.*
	21	19.1	765.00	30.022	66.2	30.116	30.015	....	51.5	48.5	.321	82.5	10	..	..	1.0	Cu., ? Ci cu. ?
	22	17.9	764 20	29.998	64.2	30.072	29.977	....	50.4	48.2	.326	87.	15	..	..	1.0	Cu., ? Ci cu. ?
	23	17.	764.00	29.994	64.	30.050	29.955	....	50.2	47.	.301	88.	14	..	..	1.0	Cu. ?

Observed dew point: 9*h.*, 42°; 15*h.*, 47°.4; 21*h.*, 42°.3.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
7	0	17.2	763.00	29.952	62.8	30.024	29.931	....	50.2	47.7	.317	88.	14	..	..	1.0	Very dark.
	1	18.8	763.00	29.944	62.2	30.032	29.942	....	50.5	48.7	.337	89.	13	..	..	1.0	Very dark.
	2	21.5	762.50	29.914	62.7	30.000	29.901	....	50.6	48.8	.338	89.1	327	..	..	1.0	Very dark.
	3	23.7	761.20	29.852	70.5	29.966	29.854	....	50.7	48.8	.336	92.	330	..	..	1.0	N.
	4	23.	761.00	29.847	70.5	29.960	29.848	....	50.7	49.	.342	92.	330	..	..	1.0	N.
	5	22.5	761.40	29.865	70.5	29.942	29.830	....	50.8	49.8	.360	92.	330	..	..	1.0	N.
	6	21.8	761.60	29.877	70.3	29.920	29.808	....	50.9	50.3	.370	92.	330	..	..	1.0	N.
	7	21.4	760.00	29.816	70.3	29.912	29.800	....	50.9	50.2	.368	92.	330	..	..	1.0	N.
	8	22.8	759.60	29.793	71.4	29.900	29.785	....	51.7	52.	.378	92.	330	..	..	1.0	N.
	9	23.	759.30	29.780	72.	29.893	29.777	....	51.6	50.8	.375	92.	320	..	..	1.0	S., N. ?
	10	23.	759.35	29.782	72.	29.896	29.780	....	53.6	52.6	.397	90.5	290	..	..	1.0	S., N., slight rain.
	11	22.5	758.25	29.741	71.5	29 850	29.736	....	55.5	53.6	.401	89.5	275	..	..	1.0	N.
	12	22.	757.70	29.724	71.	29.830	29.717	....	55.9	53 9	.404	90.	280	..	..	1.0	N.
	13	22.	756.80	29.688	70.2	29.792	29.682	....	57.	55.	.420	89.3	270	..	.01	1.0	N.
	14	22.5	757.00	29.692	71.	29.800	29.687	....	56.5	55.5	.439	91.7	150	..	.10	1.0	N., raining hard.
	15	23.	755.85	29.645	71.7	29.752	29.637	....	56.5	55.5	.439	92.	210	..	.11	1.0	N.
	16	24.	755.60	29.633	72.8	29.744	29.626	....	56.	55.	.431	91.5	240	..	..	1.0	N.
	17	24.	755.30	29.620	73.5	29.732	29.614	....	56.5	55.	.425	92.	270	..	..	1.0	N.
	18	24.7	755.30	29.617	74.5	29.732	29.611	....	55.5	54.3	.419	92.	240	..	..	1.0	N.
	19	24.8	755.25	29.615	74.7	29.722	29.601	....	54.7	53.4	.404	92.	260	..	..	1.0	N.
	20	25.1	756.00	29.642	75.3	29.752	29.629	....	52.5	52.	.394	93.	260	.2	..	1.0	N.
	21	25.	752.25	29.613	75.1	29.724	29.602	....	50.5	50.	.367	93.	255	1.0	..	1.0	N.
	22	24.	754.85	29.603	74.1	29.714	29.594	....	50.5	49.5	.356	93.	260	..	..	1.0	N.
	23	23.	756.05	29.652	73.2	29.762	29.643	....	49.5	48.7	.348	92.7	232	.2	..	1.0	N., drizzle.

Observed dew point: 3*h.*, 47°.5; 9*h.*, 50°.8; 15*h.*, 54°; 21*h.*, 48°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
8	0	23.4	755.25	29.621	72.2	29.720	29.605	....	49.5	48.6	.346	92.2	265	.2	..	1.0	N., drizzling.
	1	24.7	755.05	29.607	73.4	29.710	29.592	....	49.4	48.6	.347	92.	260	..	..	1.0	N., drizzling.
	2	24.8	755.00	29.605	74.5	29.700	29.579	....	48.8	47.8	.335	91.9	240	.2	..	1.0	N.
	3	23.5	755.75	29.638	73.7	29.752	29.632	....	48.	46.7	.318	92.	210	.7	..	1.0	N.
	4	23.	755.75	29.641	72.	29.750	29.633	....	46.7	46.	.318	92.	210	.4	..	1.0	N.
	5	23.2	755.80	29.641	72.	29.758	29.641	....	46.5	45.6	.311	92.	210	.3	..	1.0	N.
	6	....	.....	*29.671	....	.....	*29.666	....	*45.7	....	*.306	*93.1	210	..	..	1.0	N.
	7	22.	756.40	29.671	70.8	29.778	29.664	....	46.5	45.8	.315	92.	210	.2	..	1.0	N.
	8	21.5	757.10	29.702	69.5	29.800	29.690	....	47.	45.5	.303	91.	255	.2	..	1.0	N.
	9	21.	757.85	29.733	69.	29.840	29.731	....	47.3	46.	.311	91.	270	.1	..	1.0	N.
	10	21.3	757.75	29.728	69.	29.836	29.727	....	46.7	45.9	.315	91.7	250	..	..	1.0	N.
	11	21.7	757.50	29.716	69.1	29.820	29.711	....	47.2	46.	.313	91.	240	..	..	1.0	N.
	12	21.4	757.35	29.712	69.2	29.815	29.706	....	48.2	46.8	.318	90.5	260	..	..	1.0	N.
	13	21.	757.30	29.711	69.	29.814	29.705	....	48.5	47.	.320	90.	240	..	..	1.0	N.
	14	21.	757.05	29.701	68.6	29.806	29.699	....	48.4	47.1	.323	91.	250	..	..	1.0	N.
	15	21.	756.60	29.683	68.4	29.792	29.685	....	48.	47.	.326	91.5	250	..	..	1.0	N.
	16	21.	756.70	29.687	68.3	29.796	29.689	....	48.	46.8	.321	90.3	250	.6	..	1.0	N.
	17	20.3	756.85	29.697	68.	29.800	29.694	....	46.5	45.	.297	89.	240	.7	..	1.0	N.
	18	19.8	757.40	29.722	67.	29.820	29.717	....	46.	44.5	.292	89.	250	.8	..	1.0	N.
	19	19.1	757.70	29.736	66.	29.834	29.733	....	44.5	44.	.298	92.	250	.5	.02	1.0	N.
	20	19.	756.85	29.703	64.9	29.830	29.732	....	43.9	43.	.283	92.6	253	.5	.01	1.0	N.
	21	19.7	756.90	29.702	65.4	29.831	29.732	....	43.8	42.8	.280	92.	250	.5	..	1.0	N., raining hard.
	22	18.9	758.15	29.754	65.3	29.844	29.745	....	43.2	42.5	.280	92.3	258	2.3	.06	1.0	N., raining hard.
	23	17.9	758.15	29.760	64.2	29.844	29.749	....	42.9	42.1	.275	92.8	248	3.5	.09	1.0	N., raining hard.

* Supplied.

Observed dew point: 3*h.*, 46°; 9*h.*, 45°.3; 15*h.*, 46°.2; 21*h.*, 40°.4.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
9	0	19.3	758.00	29.746	64.8	29.756	29.658	....	41.8	40.6	.257	90.2	244	3.0	.07	1.0	N., raining.
	1	20.	757.65	29.730	66.2	29.768	29 667	....	41.2	40.3	.257	90.8	244	2.7	..	1.0	N., raining.
	2	20.6	757.30	29.713	67.9	29.800	29.694	....	40.7	40.	.256	91.	245	2.5	..	1.0	N., raining.
	3	19.5	757.00	29.707	67.8	29 790	29.684	....	40.5	39.7	.253	92.	230	2.5	..	1.0	N., raining.
	4	18 2	757.00	29.712	65.	29.790	29.692	....	40.	39.	.244	91.	215	2.7	.15	1.0	N., raining.
	5	16.8	756.95	29.718	63.	29.782	29.689	....	39.5	38.6	.242	90.	222	2.3	.04	1.0	N., raining.
	6	15.5	756.90	29.721	60.7	29.780	29.694	....	39.2	38.3	.239	89.	200	4.2	.03	1.0	N., raining.
	7	16.5	757.45	29.740	58.8	29.800	29.718	....	38.5	38.	.239	91.	220	4.5	.08	1.0	N., raining.
	8	15.7	757.75	29.756	60.8	29.830	29.743	....	38.5	38.3	.247	92.	203	5.5	.10	1.0	N., raining.
	9	17.6	758.00	29.755	62.	29.842	29.752	....	39.	38.3	.241	90.3	225	5.0	.20	1.0	N., raining, *NE.*
	10	17.	758.30	29.770	61.8	29.854	29.765	....	40.	38.9	.242	89.	215	4.5	.05	1.0	N., raining, *NE.*
	11	17.	758.30	29.770	61.2	29.854	29.767	....	40.5	39.2	.243	89.	215	3.3	.05	1.0	N., raining, *NE.*
	12	17.8	758.50	29.774	62.	29.864	29.774	....	41.	39.7	.248	89.	200	2.5	.06	1.0	N., raining, *NE.*
	13	18.2	858.60	29.775	62.6	29.868	29.777	....	42.7	40.3	.240	84.2	200	2.7	.01	1.0	N., raining, *NE.*
	14	18.	758.60	29.777	62.8	29.860	29.767	....	44.5	41.5	.245	79.8	215	2.6	..	1.0	N , *NE.*
	15	19.2	759.05	29.788	63.7	29.880	29.786	....	45.5	41.	.223	78.	210	3.2	..	1.0	N., *NE.*
	16	20.2	759.70	29.809	65.	29.900	29.802	....	46.2	41.5	.226	78.8	215	2.5	..	1.0	N., *NE.*
	17	....	.....	*29.835	....	.....	*29.832	....	47.5	44.7	.280	88.	185	1.6	..	1.0	N., *NE.*
	18	19.	761.00	29.866	65.5	29.960	29.861	....	46.	43.8	.277	84.	190	1.8	..	1.0	N., raining, *NE.*
	19	18.3	761.25	29.879	64.5	29.978	29.882	....	47.	44.	.270	80.	200	.7	.01	1.0	N., *NE.*
	20	16.7	761.70	29.905	62.	29.990	29.900	....	47.5	43.5	.253	77.	200	1.5	..	1.0	N.
	21	15.9	761.70	29.909	60.4	29.990	29.904	....	47.5	43.	.242	74.	200	1.0	..	1.0	N.
	22	15.3	761.70	29.912	59.	29.990	29.908	....	47.	42.	.226	72.	210	1.3	..	1.0	N.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	190	.4	..	1.0	N.

* Supplied.

Observed dew point: 15*h.*, 38°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
11	0	14.8	759.60	29.832	57.5	29.900	29.823	....	54.2	52.4	.385	89.	90	..	..	1.0	N., raining.
	1	16.	759.55	29.823	58.3	29.884	29.804	....	53.	51.6	.378	89.1	75	..	..	1.0	N.
	2	20.	759.60	29.806	62.2	29.896	29.806	....	52.1	50.4	.360	89.	56	..	..	.7	Cu.
	3	22.2	759.70	29.797	67.	29.904	29.801	....	51.8	50.2	.358	89.2	54	..	..	.3	Cu.
	4	20.7	759.70	29.802	69.	29.904	29.795	....	50.5	49.	.344	91.	55	..	..	..	Clear.
	5	21.3	760.00	29.816	68.5	29.922	29.815	....	49.5	48.	.332	90.	55	..	..	..	A few Cu.
	6	21.2	760.00	29.816	68.3	29.923	29.816	....	52.7	50.5	.355	86.	55	..	..	..	Clear.
	7	22.	760.60	29.837	68.8	29.945	29.836	74.	57.5	53.	.363	81.	55	..	..	..	Clear.
	8	22.2	761.00	29.850	70.	29.962	29.851	79.2	58.5	54.	.378	79.2	140	.8	..	..	A few Ci.
	9	22.	761.30	29.864	70.4	29.970	29.858	88.	59.5	54.	.365	....	140	1.5	..	.1	Ci., Cu.
	10	22.3	761.70	29.878	71.	29.984	29.870	90.	61.4	53.8	.338	69.5	140	1.3	..	..	Clear.
	11	22.6	761.70	29.877	71.	29.984	29.870	86.	62.	52.3	.293	65.	160	.6	..	..	Clear.
	12	22.7	761.50	29.868	71.	29.976	29.862	88.5	64.3	52.	.260	59.3	150	1.5	..	..	Clear.
	13	22.8	761.35	29.862	71.4	29.962	29.847	89.	66.5	53.	.263	55.	120	1.0	..	..	Clear.
	14	23.3	760.90	29.842	71.7	29.950	29.835	94.	68.	53.2	.250	51.	145	.6	..	..	Clear.
	15	23.4	760.85	29.840	72.	29.944	29.827	95.5	69.	53.4	.244	50.	140	1.0	..	.1	A few Ci.
	16	23.4	760.90	29.842	72.	29.950	29.833	....	69.5	52.4	.215	50.	120	.6	..	..	A few Ci. at Hor.
	17	23.3	760.90	29.842	71.8	29.950	29.833	....	69.5	55.	.277	48.5	120	.1	..	..	Clear.
	18	23.3	760.90	29.842	72.	29.950	29.833	....	66.5	55.5	.325	50.	120	.2	..	..	Clear.
	19	22.3	761.00	29.850	71.4	29.950	29.835	....	61.5	53.	.317	54.	105	..	..	..	Clear.
	20	22.	761.20	29.860	70.7	29.962	29.850	....	57.7	50.	.285	58.	105	..	..	..	Clear.
	21	21.5	761.40	29.871	69.7	29.976	29.866	....	56.7	50.5	.310	58.	105	..	..	..	Clear.
	22	20.5	761.65	29.884	68.4	29.972	29.865	....	57.2	48.4	.254	59.9	175	..	..	..	Clear.
	23	20.1	761.90	29.897	67.6	29.984	29.880	....	55.	48.	.269	61.5	175	..	..	..	Clear.

Observed dew point: 3*h.*, 48°.5; 9*h.*, 48°.3; 15*h.*, 38°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
12	0	19.2	762.00	29.904	66.	29.990	29.889	45.8	53.	46.6	.259	61.	175	..	..	..	Clear.
	1	18.5	762.80	29.939	64.9	30.018	29.920	43.7	52.2	44.8	.228	60.8	175	..	..	..	Clear.
	2	18.6	762.75	29.937	64.	30.014	29.919	....	50.	42.2	.196	64.5	175	..	..	.6	Ci-s.
	3	21.7	762.60	29.916	66.2	30.014	29.913	....	48.5	45.	.275	76.5	175	..	..	.5	Ci-s.
	4	23.	762.65	29.912	69.5	30.016	29.906	....	45.7	43.5	.274	79.	175	..	..	.4	Ci s.
	5	22.7	762.90	29.923	70.2	30.032	29.921	....	45.2	42.4	.255	80.5	175	..	..	.8	Ci cu., Ci-s.
	6	22.	763.25	29.940	69.8	30.045	29.934	....	47.5	44.3	.271	78.	175	..	..	.8	Ci-cu., Ci-s.
	7	21.5	763.60	29.957	69.3	30.050	29.940	....	50.3	46.	.277	76.	175	..	..	.6	Ci-cu., Ci-s.
	8	22.6	763.90	29.963	70.	30.070	29.959	....	54.8	47.	.248	66.	175	..	..	.4	Ci.
	9	23.8	763.90	29.956	72.2	30.070	29.953	....	57.7	47.2	.221	60.	220	..	..	..	Clear.
	10	24.4	764.00	29.958	73.3	30.070	29.950	92.5	59.	47.5	.214	57.7	200	..	..	..	A few Ci.
	11	24.6	763.40	29.933	74.	30.050	29.928	95.	60.8	50.3	.259	59.2	235	..	..	.4	Ci., Ci cu.
	12	22.8	762.65	29.913	74.7	30.024	29.901	....	62.5	51.	.255	57.6	200	..	..	.9	Ci-s., Ci-cu., Ci.
	13	24.7	762.00	29.878	74.2	30.000	29.878	....	63.	52.	.275	58.5	320	..	..	.7	Ci-s., Ci cu., Ci., *W.*
	14	25.2	761.05	29.838	75.3	29.960	29.834	....	64.	52.3	.271	59.	300	..	..	.9	Light Ci., Ci-cu., *W.*
	15	25.	761.00	29.837	75.5	29.958	29.832	....	65.5	53.7	.289	58.	260	..	..	.9	Light Ci., Ci-cu., *W.*
	16	24.7	760.35	29.814	75.2	29.940	29.815	....	64.	52.4	.273	59.	260	..	..	1.0	Ci., Ci cu., Ci-s., *W.*
	17	24.	761.25	29.852	74.7	29.968	29.845	....	62.	52.5	.299	63.	260	..	..	1.0	Ci., Ci-cu., Ci-s., *W.*
	18	23.4	761.25	29.855	74.	29.968	24.846	....	60.5	53.8	.349	64.	260	..	..	1.0	Ci-cu., N.
	19	23.	761.25	29.857	73.	29.970	29.851	....	59.2	54.	.369	70.5	260	..	..	1.0	Ci cu., N.
	20	21.7	761.60	29.877	71.	29.984	29.870	....	56.5	51.	.323	71.	345	..	..	1.0	N., drizzling.
	21	21.2	761.50	29.876	69.7	29.980	29.870	....	54.	48.5	.292	73.5	310	..	..	1.0	N., drizzling.
	22	20.	761.60	29.885	68.	29.983	29.870	....	57.5	47.5	.297	77.	330	..	..	1.0	N., drizzling.
	23	19.7	761.40	29.879	67.2	29.976	29.873	....	50.5	47.	.297	80.	330	..	..	1.0	N., drizzling.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
13	0	18.8	761.40	29.882	65.3	29.978	29.879	....	47.5	46.	.309	91.	245	..	..	1.0	N., drizzling.
	1	18.2	761.60	29.893	64.5	29.986	29 890	....	47.	45.5	.303	91.	320	..	..	1.0	N., drizzling.
	2	17.6	762.00	29.912	63.	30.000	29.907	....	46.5	45.	.297	92.	285	..	.03	1.0	N., raining.
	3	17.	761.90	29.912	62.	29.988	29.898	....	45.5	45.	.308	94.	250	..	.03	1.0	N., raining.
	4	16.8	762.00	29.916	61.3	29.991	29.906	....	45.	44.	.293	94.	220	..	.04	1.0	N., raining.
	5	16.5	762.45	29.936	60.2	30.018	29.933	....	45.5	43.5	.276	88.5	280	..	.01	1.0	N., raining.
	6	16.4	762.85	29.952	59.5	30.024	29.941	....	45.3	43.	.267	89.5	260	.1	.01	1.0	N., raining.
	7	14.7	762.85	29.960	58.2	30.030	29.951	....	45.2	42.3	.253	82.	260	.3	..	1.0	Cu., Ci-s.
	8	13.8	763.25	29.979	57.	30.046	29.970	....	44.3	41.5	.247	80.	260	1.5	..	1.0	Ci-s.
	9	13.5	763.30	29.983	56.2	30.050	29.976	....	44.5	41.5	.245	80.5	255	.6	..	1.0	N., slight rain.
	10	12 8	763.35	29.988	55.	30.054	29.983	....	44.2	41.7	.253	84.5	245	.3	.02	1.0	N., slight rain.
	11	12.5	763.10	29.980	54.2	30.044	29.976	....	44.	42.7	.275	92.	245	.2	.02	1.0	N., rain.
	12	12.	762.50	29.959	54.	30.020	29.952	....	44.9	43.7	.287	91.7	245	.3	..	1.0	N.
	13	11.9	761.75	29.930	53.1	29.992	29.926	....	45.6	44.6	.299	92.	245	1.0	..	1.0	N.
	14	11.6	761.25	29.911	53.	29.970	29.904	....	45.6	44.7	.301	92.	270	.7	..	1.0	N., rain.
	15	12.	760.90	29.897	53.	29.957	29.891	....	45.5	44.6	.300	92.	280	1.5	..	1.0	N., drizzling.
	16	13.	760.75	29.886	53.2	29.950	29.884	....	44.6	43.8	.293	93.	280	.8	.01	1.0	N., drizzling.
	17	14.7	760.40	29.864	54.8	29.936	29.865	....	44.5	43.7	.292	93.	275	.9	.01	1.0	N., drizzling.
	18	17.2	760.30	29.847	58.5	29.932	29.852	....	43.6	43.	.286	93.5	275	.3	..	1.0	N., drizzling.
	19	18 8	761.40	29.882	61.3	29.968	29.880	....	43.5	42.5	.277	93.5	275	.4	.01	1.0	N., drizzling.
	20	19.4	761.00	29.864	63.6	29.956	29.862	....	43.	42.5	.282	93.5	275	.4	.02	1.0	N., drizzling.
	21	20.9	760.70	29.846	65.8	29.948	29.847	....	43.	42.5	.282	93.5	275	.2	.02	1.0	N., drizzling.
	22	22.1	760.80	29.843	68.1	29.950	29.844	....	43.2	42.6	.281	92.5	245	.1	.03	1.0	N., raining.
	23	22.1	759.85	29.805	69.8	29.918	29.807	....	42.8	42.1	.276	92.	210	.1	.02	1.0	N., drizzling.

Observed dew point: 3*h.*, 44°.5; 9*h.*, 40°.8; 15*h.*, 43°.8; 21*h.*, 38°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
14	0	21.1	759.50	29.797	69.3	29.896	29.786	....	42.7	42.	.275	92.	215	..	.01	1.0	N., rain.
	1	20.9	758.90	29.775	68.4	29.864	29.757	....	43.	42.2	.276	92.	214	..	.04	1.0	N., rain.
	2	20.6	757.95	29.739	68.	29.834	29.728	....	42.6	41.8	.272	91.8	202	.1	.02	1.0	N.
	3	20.	758.15	29.749	67.	29.842	29.739	....	41.5	40.5	.253	91.	190	1.0	.03	1.0	N., rain.
	4	19.7	757.90	29.742	66.1	29.842	29.741	....	40.7	39.7	.251	90.9	185	.4	.02	1.0	N., rain.
	5	20.2	758.50	29.762	66.2	29.856	29.755	....	41.	39.8	.249	90.5	180	.2	.01	1.0	N., rain.
	6	20.4	758.75	29.772	66.8	29.870	29.767	....	41.	39.8	.249	90.6	165	.1	.03	1.0	N., rain.
	7	20.8	759.35	29.792	67.5	29.890	29.786	....	41.3	40.	.249	90.8	160	..	.05	1.0	N., rain.
	8	20.7	760.00	29.819	67.7	29.922	29.818	....	42.	40.5	.252	90.4	115	..	.04	1.0	N., rain.
	9	20.4	760.35	29.835	67.4	29.932	29.828	....	42.6	41.2	.260	89.	105	..	..	1.0	N., Ci-cu., Ci-s.
	10	20.3	760.35	29.835	67.1	29.930	29.827	....	44.5	42.5	.266	87.	140	..	..	1.0	N., Ci-cu., Ci-s.
	11	20.5	760.10	29.824	67.1	29.924	29.821	....	48.7	45.	.273	81.	150	.2	..	.9	Ci., Ci-cu., Ci-s.
	12	20.	759.70	29.810	67.6	29.912	29.808	....	51.5	45.3	.249	71.5	150	.3	..	.5	Ci., Ci-s., *SW.*
	13	21.	759.60	29.802	68.	29.904	29.798	....	55.	48.	.271	67.	130	.4	..	.4	Ci., Cu., (1) *NW.*, (2) *SW.*
	14	21.7	759.10	29.778	68.5	29.885	29.778	....	58.5	48.3	.238	58.	110	.4	..	.4	Ci., Cu., *NW.*
	15	21.5	758.85	29.770	69.	29.870	29.761	....	59.7	48.	.216	56.	110	1.0	..	.6	Cu., *NW.*
	16	21.4	759.20	29.783	69.	29.878	29.769	....	60.5	49.5	.244	53.	100	.4	..	.2	Cu., *NW.*
	17	21.6	759.50	29.795	69.	29.890	29.781	....	60.3	49.5	.244	53.	100	2.3	..	.2	Cu., *NW.*
	18	21.3	759.90	29.812	69.	29.920	29.811	....	57.5	47.5	.229	53.5	100	.3	..	.1	Cu., *NW.*
	19	20.3	759.80	29.813	67.7	29.914	29.810	....	54.5	47.	.252	59.	100	..	..	.1	Cu., *NW.*
	20	19.5	760.90	29.861	66.2	29.958	29.857	....	52.	46.5	.268	64.	95	..	..	.9	Cu., *NW.*
	21	....	.....	*29.885	....	.....	*29.871	....	*50.4	....	*.268	*67.9	95	..	..	..	Cu.
	22	19.2	761.80	29.897	65.4	29.981	29.885	....	50.5	46.6	.288	71.2	95	..	..	1.0	Cu., Ci cu., *W.*
	23	19.2	762.45	29.922	65.	30.010	29.912	....	52.	47.3	.284	67.	130	..	..	1.0	Cu., Ci-cu., *W.*

* Supplied.

Observed dew point: 3*h*, 40°; 9*h*., 40°; 15*h*., 33°; 21*h*., 35°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
15	0	21.1	763.00	29.934	67.1	30.030	29.927	....	51.4	44.5	.230	65.8	207	..	..	1.0	Cu., Ci cu , aurora.
	1	21.7	763.10	29.935	68.8	30.038	29.929	....	49.8	44.7	.253	67.	205	..	..	1.0	Cu., Ci-cu., aurora.
	2	21.9	763.10	29.934	69.5	30.038	29.928	....	49.2	44.1	.247	67.5	205	..	..	1.0	Cu., Ci-cu., aurora.
	3	21.7	763.50	29.951	69.8	30.050	29.939	....	46.7	42.	.229	73.2	205	..	..	.6	Ci-cu., aurora.
	4	20.8	763.50	29.955	68.8	30.052	29.943	....	46.	42.5	.248	76.	205	..	..	1.0	Cu., Ci-cu., aurora.
	5	21.3	763.65	29.959	68.2	30.060	29.954	....	45.	42.	.249	75.	205	..	..	1.0	Cu., Ci-cu., aurora.
	6	20.7	764.10	29.980	67.8	30.070	29.964	....	41.	37.	.192	82.5	205	..	..	.4	Ci-cu., aurora.
	7	20.	764.90	30.015	67.	30.100	29.997	....	48.	43.7	.252	75.	205	..	..	..	Clear.
	8	21.	765.00	30.013	67.2	30.108	30.005	....	52.8	46.7	.264	72.	205	..	..	..	Clear.
	9	21.7	764.80	30.003	68.5	30.110	30.003	80.	55.1	48.	.269	68.3	35	..	..	..	Clear.
	10	22.	764.80	30.002	70.	30.108	29.997	80.	57.	47.	.225	61.	35	..	..	.1	Cu., *NW.*
	11	22.1	764.30	29.981	70.6	30.090	29.978	82.	58.	46.7	.206	57.	85	..	..	.1	Cu., *NW.*
	12	22.2	763.85	29.962	70.8	30.072	29.959	82.	59.5	48.3	.227	58.	60	..	..	.1	Cu., *WNW.*
	13	22.1	763.50	29.949	70.3	30.060	29.948	79.3	61.	50.5	.262	59.	30	1.0	..	.4	Ci , Cu., (1) *W.*, (2) *WNW.*
	14	22.	762.80	29.923	70.6	30.032	29.920	79.5	61.6	50.	.243	58.	40	2.2	..	.3	Ci., Cu., *WNW.*
	15	22.1	762.60	29.914	70.7	30.023	29.910	79.	62.1	50.3	.245	58.	40	2.4	..	.3	Ci., Cu., *WNW.*
	16	22.	762.00	29.891	70.5	30.000	29.888	....	62.	51.	.263	59.	25	2.7	..	.1	Ci., Cu.
	17	22.1	761.70	29.878	70.4	29.988	29.876	....	61.1	51.	.273	60.	10	2.8	..	.1	Ci., Cu.
	18	21.2	761.80	29.888	70.	29.991	29.880	....	57.	50.	.295	65.2	20	1.8	..	1.0	Ci., Cu., Ci cu.
	19	21.	762.00	29.895	69.	30.000	29.891	....	55.5	50.	.311	65.2	20	..	..	1.0	Cu., Ci-cu.
	20	20.	762.40	29.916	67.3	30.017	29.914	....	53.5	49.	.311	67.	5	.2	..	1.0	Cu., Ci-cu.
	21	19.4	762.40	29 919	66.7	30.017	29.915	....	53.	49.5	.327	70.	5	..	..	1.0	Cu , Ci-cu.
	22	19.	763.15	29.950	65.7	30.046	29.947	....	52.9	48.4	.303	73.2	135	..	..	1.0	Cu.
	23	18.8	763.50	29.964	64.8	30.054	29.956	....	53.9	50.	.331	76.	140	..	..	.3	Ci-s., Cu.

Observed dew point: 3*h.*, 34°; 9*h.*, 37°.3; 15*h.*, 46°.8.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
16	0	18.	764.50	30.009	64.	30.084	29 989	....	50.2	45.2	.260	73.3	180	..	..	.7	Cu., N.
	1	17.4	765.00	30.030	62.7	30.106	30.015	....	48.4	44.6	.267	75.5	178	1.2	..	.8	Cu., N.
	2	16.2	765.40	30.053	61.	30.124	30.037	....	45.	42.5	.260	80.9	179	1.2	..	1.0	Cu.
	3	18.3	765.60	30.050	62.	30.140	30.050	....	43.7	40.	.222	83.5	200	..	..	1.0	N.
	4	18.7	762.20	30.033	63.4	30.175	30 081	....	43 2	39.4	.216	80.	250	..	..	.9	Ci., S.
	5	19.3	766.75	30.092	64.2	30.184	30.088	....	43.4	39.4	.213	79.2	205	..	..	.8	Ci-s., Ci-cu.
	6	19.5	767.30	30.112	65.	30.200	30.102	....	43.5	39.5	.213	78.	200	.1	..	.9	Ci-s., Ci-cu.
	7	19.6	767.50	30.119	65.	30.218	30.120	....	44.2	40.3	.223	76.	200	.1	..	1.0	Ci-s., Ci-cu.
	8	20.	768.35	30.151	66.	30.240	30.140	....	45.	41.2	.233	74.	190	.3	..	1.0	Ci-s., Ci-cu.
	9	20.2	768.30	30.147	66.	30.250	30.148	....	47.5	41.3	.206	71.5	200	.2	..	.8	Ci., Ci-cu., *W.*
	10	19.5	768.59	30.159	66.	30.258	30.156	....	49.	41.8	.199	68.	220	.3	..	.9	Ci., Ci-cu., *W.*
	11	20.1	768.60	30.160	66.	30.260	30.158	....	51.3	43.	.198	65.	225	.1	..	.9	Ci., Ci-s., *W.*
	12	19.	768.45	30.159	67.	30.252	30.148	....	52.8	44.3	.210	63.	215	..	..	.9	Ci., Ci-s., *W.*
	13	20.7	768.40	30.149	67.	20.250	30.146	....	53.7	46.	.238	63.3	250	..	..	.8	Light Ci., *W.*
	14	21.2	768 10	30.135	68.	30.237	30.130	....	54.5	45.5	.217	63.	260	..	..	.7	Light Ci., *W.*
	15	21.7	767.85	30.122	68.4	30.230	30.122	....	56.4	47.9	.250	64.3	320	..	..	.4	Light Ci., *W.*
	16	22.	767.90	30.123	69.	30.230	30.121	....	56.2	47.	.232	62.	305	..	..	.5	Light Ci., Ci-cu., *W.*
	17	21.9	767.90	30.123	69.5	30.230	30.120	....	55.3	46.7	.235	63.2	255	..	..	.1	A few Cu.
	18	21.4	768.30	30.142	69.4	30.245	30.135	....	53.3	48.	.289	66.5	255	..	..	.8	Ci., Ci-cu.
	19	21.	768.30	30.143	69.	30.245	30.136	....	51.	47.	.291	67.	255	.4	..	.4	Ci., Ci-s.
	20	18.7	768.85	30.177	66.3	30.268	30.166	....	48.8	43.5	.239	72.	205	.4	..	.4	Ci., Ci s.
	21	18.4	769.00	30.183	64.8	30.264	30.166	....	51.7	41.8	.168	71.3	349	..	..	.9	Ci., Ci-s., Ci-cu.
	22	18.1	769.00	30.184	63.9	30.266	30.171	....	46.4	37.	.131	70.4	355	..	..	.9	Ci , Ci-s., Ci-cu.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	355	..	..	..	

Observed dew point: 3*h.*, 35°; 9*h.*, 31°; 15*h.*, 36°.7.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
18	0	12.	763.70	30.006	52.	30.068	30.005	....	41.6	40.6	.259	90.5	249	4.5	.06	1.0	N., rain.
	1	15.2	763.50	29.982	51.7	30.056	29.987	....	41.4	40.5	.259	91.8	240	6.0	.02	1.0	N., rain.
	2	17.7	763.05	29.952	59.1	30.034	29.952	....	41.6	40.6	.259	92.	230	7.7	.02	1.0	N., rain.
	3	18.5	762.65	29.933	62.2	30.026	29.936	....	42.	41.4	.272	92.6	240	4.0	.02	1.0	N., rain.
	4	17.8	762.10	29.915	63.	30.008	29.915	....	42.1	41.5	.273	91.9	255	5.8	.04	1.0	N., rain.
	5	18.1	762.75	29.940	63.	30.026	29.933	....	42.5	42.5	.288	92.2	255	6.0	.01	1.0	N., rain.
	6	19.	763.15	29.950	61.	30.040	29.945	....	42.7	42.6	.288	92.2	262	5.0	.01	1.0	N., rain.
	7	20.	762.70	29.928	65.6	29.954	29.855	....	42.9	42.9	.292	92.	248	5.0	.01	1.0	N., rain.
	8	20.	762.65	29.926	66.1	30.010	29.909	....	43.	....	*.284	91.9	239	5.5	.01	1.0	N., rain.
	9	19.1	762.55	29.926	66.	30.026	29.925	....	43.8	42.6	.276	91.3	255	5.0	..	1.0	N., rain.
	10	19.7	762.75	29.932	66.	30.030	29.929	....	44.2	43.	.280	91.	255	4.5	.01	1.0	N.
	11	19.7	762.60	29.926	66.	30.027	29.926	....	44.2	43.5	.285	90.5	255	6.0	..	1.0	N.
	12	18.7	762.55	29.929	65.5	30.024	29.925	....	45.2	43.6	.282	89.5	250	5.5	..	1.0	N.
	13	18.5	761.70	29.896	65.5	29.990	29.891	....	44.8	43.3	.280	90.7	250	4.2	..	1.0	N.
	14	18.5	761.70	29.896	64.2	29.992	29.897	....	45.	43.7	.287	91.3	250	4.3	..	1.0	N.
	15	18.4	761.90	29.905	64.	30.000	29.905	....	44.6	43.8	.293	92.7	250	2.0	..	1.0	N., drizzling.
	16	19.5	761.30	29.876	65.	29.980	29.882	....	43.5	43.	.287	93.5	250	1.8	..	1.0	N., drizzling.
	17	19.	761.00	29.866	65.1	29.958	29.860	....	44.5	42.5	.277	92.2	250	2.5	..	1.0	N., drizzling.
	18	18.7	760.80	29.861	64.5	29.952	29.856	....	43.8	43.	.284	94.	250	1.8	..	1.0	N., drizzling.
	19	18.3	760.90	29.866	64.	29.956	29.861	....	44.	43.	.282	92.2	235	2.0	..	1.0	N., drizzling.
	20	18.7	760.90	29.865	63.	29.956	29.863	....	43.5	43.	.287	92.	235	2.2	.01	1.0	N., drizzling.
	21	18.	760.00	29.832	63.5	29.918	29.824	....	43.	42.3	.278	92.	240	2.5	.01	1.0	N., drizzling.
	22	17.5	760.50	29.854	62.7	29.930	29.838	....	43.1	42.2	.275	91.4	234	3.0	.01	1.0	N., drizzling.
	23	17.2	759.40	29.811	63.	29.892	29.799	....	42.6	41.8	.272	92.5	243	2.7	.02	1.0	N., rain.

* Supplied.

Observed dew point: 9*h.*, 41°.8; 15*h.*, 43°.3; 21*h.*, 39°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
19	0	17.9	759.00	29.793	62.2	29.872	29.782	....	42.	41.2	.267	93.	255	2.5	.03	1.0	N., drizzle.
	1	18.5	758.25	29.760	62.8	29.840	29.747	....	41.8	41.	.265	91.5	250	1.8	.02	1.0	N., drizzle.
	2	19.1	757.70	29.736	63.5	29.824	29.730	....	41.5	40.7	.262	90.8	250	1.2	.01	1.0	N.
	3	19.8	757.70	29.734	65.2	29.808	29.710	....	41.5	40.8	.263	91.	245	.8	..	1.0	N., drizzle.
	4	19.2	756.85	29.702	65.	29.800	29.702	....	41.2	40.5	.261	88.	260	1.0	..	1.0	N., drizzle.
	5	19.	756.35	29.683	64.7	29.774	29.678	....	40.7	40.3	.263	92.2	240	.8	..	1.0	N., drizzle.
	6	18.3	755.90	29.669	64.	29.760	29.665	....	41.	40.5	.263	92.5	235	.3	..	1.0	N., drizzle.
	7	17.5	756.00	29.676	62.8	29.766	29.673	....	41.5	40.7	.262	92.	260	.7	..	1.0	N., drizzle.
	8	16.8	756.40	29.696	61.5	29.748	29.660	....	42.3	41.5	.270	92.	260	1.2	..	1.0	N., drizzle.
	9	16.8	755.20	29.649	61.	29.730	29.644	....	42.5	41.7	.272	92.	240	.7	..	1.0	N., drizzle.
	10	16.1	754.75	29.636	60.3	29.710	29.626	....	43.	42.1	.274	91.7	241	1.2	..	1.0	N., drizzle.
	11	16.7	753.95	29.601	60.2	29.672	29.589	....	43.7	42.9	.283	92.	230	1.0	..	1.0	N., drizzle.
	12	18.1	753.60	29.581	61.8	29.668	29.580	....	44.6	43.8	.293	91.9	235	.8	..	1.0	N., drizzle.
	13	17.7	752.80	29.551	62.	29.642	29.554	....	45.3	44.5	.300	92.	235	.5	.02	1.0	N., drizzle.
	14	18.5	752.75	29.545	63.	29.636	29.545	....	46.2	45.3	.308	92.	240	.3	.07	1.0	N., drizzle.
	15	19.	752.10	29.517	64.	29.610	29.516	....	45.7	45.1	.309	92.2	250	..	.13	1.0	N., drizzle.
	16	19.	752.10	29.517	64.5	29.614	29.519	....	46.6	45.6	.310	91.5	230	.1	.08	1.0	N., drizzle.
	17	19.	752.60	29.538	64.8	29.633	29.537	....	47.3	46.3	.318	91.5	200	..	.01	1.0	N., drizzle.
	18	19.	752.00	29.514	64.2	29.610	29.516	....	46.6	46.	.319	93.5	190	..	.01	1.0	N., drizzle.
	19	20.	752.60	29.533	65.	29.634	29.538	....	47.	46.5	.326	92.5	240	..	.03	1.0	N., drizzle.
	20	20.7	753.00	29.545	67.	29.646	29.544	....	49.5	46.8	.304	92.5	250	..	..	1.0	N.
	21	20.8	753.00	29.543	67.2	29.646	29.544	....	47.5	47.	.331	92.	250	..	..	1.0	N.
	22	21.6	753 30	29.552	68.1	29.646	29.542	....	47.7	47.	.329	91.7	250	..	..	1.0	N.
	23	21.6	753.30	29.552	69.	29.650	29.543	....	47.9	47.2	.331	91.2	250	..	..	1.0	N.

Observed dew point: 3*h.*, 39°; 9*h.*, 39°.6; 15*h.*, 44°.9; 21*h.*, 47°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
20	0	21.3	753.50	29.562	69.	29.664	29.557	....	47.6	46.9	.328	92.	174	..	.03	1.0	N., raining.
	1	21.3	753.65	29.568	69.	29.670	29.563	....	47.7	46.9	.327	92.3	157	..	.01	1.0	N.
	2	20.8	754.15	29.586	69.5	29.688	29.580	....	47.7	47.	.329	92.1	97	..	..	1.0	N.
	3	22.6	754.30	29.588	70.	29.696	29.587	....	48.	47.4	.335	92.2	90	..	..	1.0	N.
	4	22.	754.65	29.605	70.	29.710	29.601	....	48.	47.3	.333	92.	60	..	..	1.0	N.
	5	21.4	754.90	29.618	69.6	29.722	29.614	....	48.	47.4	.335	92.2	60	..	..	1.0	N.
	6	20.6	755.70	29.651	68.5	29.754	29.648	....	49.5	47.8	.338	92.5	60	..	..	1.0	N.
	7	21.	756.15	29.667	68.	29.769	29.664	....	50.8	48.7	.334	89.	140	..	..	1.0	N.
	8	21.	756.80	29.693	68.5	29.800	29.693	....	52.2	49.4	.335	84.3	170	.3	..	1.0	Cu.
	9	22.	757.35	29.709	69.5	29.820	29.710	....	54.	50.	.328	80.	150	1.0	..	.4	Cu., Ci., Ci-cu., (1) *N.*, (2) *W.*
	10	23.	757.90	29.726	70.8	29.838	29.725	....	56.5	52.	.350	79.	150	.5	..	.5	Cu., Ci., Ci-cu., (1) *N.*, (2) *W.*
	11	23.2	758.10	29.731	72.	29.850	29.733	....	58.	52.2	.337	75.	160	1.0	..	.8	Cu., *N.*
	12	23.5	758.45	29.744	72.7	29.862	29.744	....	58.	52.2	.337	74.3	160	.3	..	.9	Cu., *N.*
	13	23.	758.60	29.753	72.6	29.870	29.752	....	57.5	51.5	.327	74.	150	.3	..	1.0	Cu., *N.*
	14	23.	758.60	29.753	72.2	29.870	29.753	....	58.5	51.7	.321	72.	140	.2	..	1.0	Cu., *N.*
	15	23.	758.70	29.757	72.	29.872	29.755	....	59.3	52.6	.334	72.	140	.1	..	.5	Cu., *N.*
	16	23.	759.00	29.768	72.	29.880	29.763	....	60.6	52.6	.320	68.	155	.1	..	.1	Cu. in Hor.
	17	23.3	759.30	29.778	72.2	29.874	29.777	....	63.1	56.5	.391	66.	120	..	..	.6	Cu., Ci.
	18	23.4	759.65	29.792	72.2	29.907	29.790	....	62.3	56.	.387	70.	95	..	..	.3	Cu., Ci.
	19	23.	760.00	29.808	72.	29.924	29.807	....	57.	53.5	.382	78.	65	..	..	.1	Ci-s., Ci.
	20	22.	760.50	29.833	71.	29.950	29.826	....	54.4	51.	.348	81.	65	..	..	..	Clear.
	21	21.3	760.60	29.840	70.	29.948	29.837	....	53.5	50.	.334	81.	50	..	..	..	Clear.
	22	20.5	761.15	29.864	68.6	29.950	29.843	....	50.4	48.4	.329	82.	48	..	..	..	Clear.
	23	19.8	761.70	29.891	67.2	29.980	29.877	....	50.2	47.8	.319	83.6	47	..	..	..	Clear.

Observed dew point: 3*h.*, 46°.5; 15*h.*, 46°.5; 21*h.*, 44°.6.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
21	0	19.	761.90	29.901	65.9	29.982	29.881	....	51.1	46.2	.272	77.8	125	..	..	.3	Ci-s., Ci-cu.
	1	18.5	762.20	29.915	64 8	30.000	29.902	....	51.	46.2	.273	75.6	140	..	..	.2	Ci-s., Ci-cu.
	2	18.	762.25	29.920	63.7	30.000	29.906	....	50.5	45.6	.265	75.6	155	..	..	..	Clear.
	3	17.	762 65	29.941	62.2	30.024	29.934	....	49.5	45.	.263	80.5	230	..	..	..	Clear.
	4	16.5	763.15	29.963	61.3	30.046	29.958	....	48.3	44.	.255	81.6	230	.5	..	..	Clear.
	5	15.5	763.65	29.986	59.8	30.068	29.983	....	47.	43.5	.259	83.	240	.4	..	..	Clear.
	6	18.4	764.60	30.011	60.	30.080	29.995	....	49.3	45.3	.272	82.	240	..	..	..	Clear.
	7	20.6	765.80	30.047	60.3	30.150	30.064	....	51.2	46.7	.282	80.	240	..	..	..	Clear.
	8	22.6	767.00	30.085	68.	30.184	30.078	....	53.2	45.	.221	77.	240	.3	..	..	Clear.
	9	22.8	766.85	30.079	70.	30.188	30.077	87.3	54.6	48.9	.296	76.	260	.2	..	.3	Ci., *N.*
	10	22.5	767.20	30.093	70.5	30.204	30.092	94.	56.9	51.1	.323	74.3	230	..	..	.4	Ci., *N.*
	11	22.2	767.20	30.094	70.5	30.205	30.093	93.5	59.1	52.	.320	71.	230	..	..	.1	Ci., *N.*
	12	22.	766.75	30.079	70.4	30.186	30.074	96.	60.5	54.	.355	72.3	270	..	..	.1	Ci. in Hor.
	13	22.	766.80	30.081	70.2	30.190	30.079	97.	62.5	55.5	.372	72.	270	..	..	.2	Ci., *N.*
	14	22.	766.50	30.069	70.3	30.188	30.076	99.	63.	56.	.380	70.5	260	..	..	.3	Ci., Cu., *N.*
	15	22.	766.05	30.051	70.3	30.160	30.048	96.	64.	56.3	.376	70.3	280	..	..	.4	Ci., Cu., *N.*
	16	22.	765.85	30 043	70.2	30.150	30.039	....	65.2	57.7	.401	69.7	270	..	..	.3	Ci., Cu., *N.*
	17	22.2	765.60	30.031	70.5	30.140	30.028	....	64.8	57.	.386	68.	270	..	..	.3	Ci., *N.*
	18	21.7	765.40	30.026	70.1	30.133	30.022	....	61.9	56.3	.398	72.	270	..	..	.4	A few Ci., *N.*
	19	21.3	765.45	30.030	70.	30.134	30.023	....	61.5	55.5	.382	72.	300	.1	..	.2	Ci., Ci-s.
	20	20.	765.50	30 038	68.5	30.135	30.028	....	54.3	50.3	.331	78.	300	.2	..	.3	Ci., Ci-s.
	21	19.4	766.10	30 065	66.8	30.162	30.059	....	53.5	50.	.333	82.	300	..	..	.2	Ci., Ci-s.
	22	18.1	765.80	30.060	64.8	30.146	30.048	49.	50.6	47.5	.346	83.9	15	..	..	.1	Ci , Ci-s.
	23	18.1	765.50	30.048	64.	30.134	30.039	47.5	49.	47.	.339	87.	16	..	..	.1	Ci., Ci-s.

Observed dew point: 15*h.*, 49°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
22	0	17.3	765.15	30.037	63.	30.128	30.035	45.9	48.5	46.5	.309	89.	16	..	..	..	Clear.
	1	17.1	764.90	30.029	62.1	30.120	30.030	46.	47.7	46.6	.317	91.5	16	..	..	..	Clear.
	2	17.3	764.10	29.995	61.2	30.108	30.021	45.8	47.5	46.5	.320	92.	17	..	..	..	Clear.
	3	....	.....	*29.974	....	.....	*29.995	....	*47.2	....	*.324	*92.7	15	..	..	..	
	4	....	.....	*29.982	....	.....	*29.995	....	*46.6	....	*.322	*92.5	15	..	..	..	
	5	....	.....	*29.964	....	.....	*29.967	....	*47.2	....	*.325	*91.4	15	..	..	..	
	6	14.7	763.30	29.977	57.7	30.048	29.969	....	48.	47.	.326	91.	15	..	..	..	Clear.
	7	15.	763.25	29.973	57.8	30.050	29.971	....	51.3	49.6	.349	90.4	30	..	..	..	Clear.
	8	15.5	763.20	29.968	58.5	30.044	29.964	....	54.2	51.7	.368	85.	45	..	..	..	Clear.
	9	16.	762.75	29.949	59.5	30.030	29.947	82.	58.1	55.2	.413	85.5	25	..	..	..	Clear.
	10	16.5	762.40	29.934	60.	30.018	29.933	83.	60.5	56.9	.432	83.5	25	..	..	..	Clear.
	11	17.	761.70	29.904	61.	29.988	29.901	90.	65.3	59.8	.458	77.5	30	.2	..	..	Clear.
	12	18.6	761.00	29.868	62.1	29.958	29.868	88.5	67.5	60.	.439	72.5	45	.4	..	..	Clear.
	13	18.6	760.20	29.837	63.6	29.928	29.834	91.3	70.3	61.7	.458	69.	30	.7	..	..	Clear.
	14	19.2	759.30	29.798	65.	29.896	29.798	94.	72.2	62.3	.454	68.5	30	1.5	..	..	Clear.
	15	20.	759.00	29.782	65.8	29.880	29.780	92.	72.8	62.8	.462	67.	40	1.5	..	..	Hazy.
	16	20.9	758.55	29.761	67.	29.864	29.761	....	73.8	64.1	.490	69.	40	1.3	..	..	Hazy.
	17	21.3	758.40	29.753	68.1	29.858	29.752	....	73.7	64.2	.496	69.	40	1.0	..	..	Band of Ci-cu. in *NW.*
	18	21.9	757.80	29.727	69.2	29.834	29.725	....	71.5	63.	.484	69.	45	.6	..	..	A few scattered Cu.
	19	21.7	757.55	29.718	69.8	29.826	29.715	....	69.1	61.	.452	71.5	45	.8	..	.1	Cu., Ci-s. in Hor.
	20	21.3	757.30	29.710	69.5	29.816	29.706	....	66.6	60.	.450	75.	45	.3	..	..	Clear.
	21	21.1	757.10	29.703	69.2	29.810	29.701	....	64.5	58.6	.434	77.5	40	.2	..	.1	Ci-cu. in Hor.
	22	20.8	756.80	29.692	68.9	29.784	29.675	....	63.5	58.5	.442	79.	43	..	..	.4	Ci-cu. in Hor.
	23	20.6	756.80	29.694	68.5	29.780	29.673	....	62.5	57.4	.424	79.9	42	..	..	.9	Ci., Ci-cu.

* Supplied.

Observed dew point: 9*h.*, 54°.2; 15*h.*, 56°.5; 21*h.*, 52°.3.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
23	0	20.3	756.52	29.689	67.9	29.778	29.672	....	60.4	57.	.435	82.	44	..	..	.9	Ci., Ci-cu.
	1	20.1	756.40	29.680	67.4	29.774	29.670	....	59.3	56.2	.426	83.9	45	..	..	.4	Ci., Ci-cu., Ci-s.
	2	19.9	755.75	29.655	67.	29.750	29.647	....	58.	55.2	.414	86.5	45	..	..	..	Clear.
	3	19.8	755.90	29.665	67.5	29.762	29.660	....	57.	55.	.420	87.	45	..	..	.2	A few Cu.
	4	20.4	756.15	29.671	66.	29.770	29.669	....	56.2	54.3	.411	87.	45	..	..	.5	Ci cu., Cu., Ci-s.
	5	20.4	756.60	29.689	65.8	29.780	29.679	....	55.5	53.8	.406	87.5	45	..	..	..	Clear.
	6	19.4	758.00	29.747	65.2	29.826	29.728	....	57.7	55.7	.431	86.	45	..	..	..	Clear.
	7	19.5	758.75	29.777	65.5	29.870	29.773	....	66.	60.	.456	76.	45	..	..	..	Clear.
	8	20.	759.75	29.814	66.	29.902	29.803	....	67.3	60.	.441	73.	145	..	..	..	Clear.
	9	20.4	760.65	29.849	66.8	29.940	29.838	....	66.4	57.4	.379	69.	175	1.3	..	..	Clear.
	10	20.8	761.50	29.879	67.8	29.972	29.868	95.	68.5	58.5	.386	67.2	195	.3	..	..	Clear.
	11	21.3	761.60	29.881	68.2	29.980	28.876	100.3	69.	59.	.394	66.	240	.4	..	..	Clear.
	12	21.7	761.60	29.879	69.	29.980	29.873	96.5	69.5	58.5	.375	64.	200	.5	..	..	Clear.
	13	22.	762.00	29.891	69.8	30.000	29.889	....	70.5	60.	.403	63.	210	.2	..	.2	Cu., Ci-cu.
	14	22.2	762.00	29.889	70.2	30.000	29.889	103.	70.8	60.	.400	63.	210	.2	..	.2	Cu., Ci-cu.
	15	23.	762.00	29.886	71.	30.000	29.886	....	71.	60.	.412	62.	170	..	..	.5	Cu., Ci-cu.
	16	23.2	762.35	29.898	71.7	30.016	29.901	....	71.7	61.5	.434	63.9	300	..	..	.5	Cu., *SE.*
	17	23.2	762.70	29.912	72.2	30.030	29.913	....	71.3	62.	.453	66.	290	..	..	.7	Cu., *SE.*
	18	23.	763.45	29.943	72.5	30.058	29.940	....	63.5	57.	.399	72.	300	.4	..	.3	Cu., Ci.
	19	22.2	763.50	29.948	71.8	30.060	29.943	....	59.5	54.5	.378	76.	300	.6	..	.1	Cu., Ci.
	20	21.	764.20	29.982	70.	30.086	29.975	54.5	55.	51.	.340	80.	340	.1	..	.4	Ci.
	21	20.	765.00	30.018	68.2	30.120	30.014	....	52.5	49.	.321	85.	330	.2	..	.9	Ci.
	22	19.5	765.65	30.047	67.	30.146	30.043	....	51.	48.	.315	87.	330	..	..	.4	Ci.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	..	..	..	..	Ci.

Observed dew point: 3*h.*, 49°.5; 9*h.*, 46°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
25	0	17.2	762.85	29.947	62.1	30.014	29.924	....	54.8	52.1	.370	86.7	253	..	..	.9	S., Ci-s.
	1	17.2	762.35	29.927	62.	30.000	29.910	....	55 2	52.3	.371	86.5	253	..	..	1.0	Ci-s., S.?
	2	18.4	761.60	29.893	62.7	29.974	29.883	....	55.5	53.1	.388	88.8	253	..	..	1.0	Ci-s., S.?
	3	21.9	761.15	29.858	66.4	29.962	29.860	....	56.1	53.4	.388	90.2	253	..	..	1.0	S.
	4	24.	761.15	29.847	70.5	29 960	29.848	....	56.	55.	.431	91.5	253	..	..	1.0	S., slight fog.
	5	25.	761.15	29.843	72.2	29.958	29.841	....	56.1	55.1	.433	92.	253	..	..	1.0	S., dense fog.
	6	25.5	761.65	29.860	75.3	29.978	29.852	....	56.	55.1	.434	91.8	222	..	..	1.0	S., dense fog.
	7	25.1	761.50	29.857	75.3	29.968	29.842	....	56.8	55.9	.446	92.1	222	..	..	1.0	S., dense fog.
	8	25.	761.50	29.857	75.5	29.968	29.842	....	58.	56.9	.460	92.8	123	..	..	1.0	S.
	9	23.8	761 25	29.852	74.	29.964	29.842	....	62.	59.8	.495	89.7	70	..	..	1.0	Ci-s.
	10	23.2	761.00	29.847	73.2	29.958	29.839	....	64.9	61.5	.512	88.	35	..	..	1.0	Ci-s.
	11	23.	760 40	29.824	73.	29.937	29.818	....	66.5	62.7	.530	86.	30	..	..	.6	Ci s., Ci cu., *WSW.*
	12	23.	760.15	29.814	72.8	29.926	29.807	88.	68.	64.2	.559	86.5	20	.1	..	.3	Ci s., Ci-cu., *WSW.*
	13	23.4	759.50	29.786	73.	29.906	29.787	91.	70.4	66.4	602	85.5	20	.2	..	.1	Ci s. in Hor.
	14	23.5	758.75	29.757	73.2	29.872	29.753	94.	74.	69.	.649	82.5	20	.2	..	.1	Ci s. in Hor.
	15	24.	758.30	29.738	73.6	29.856	29.736	97.3	75.3	68.3	.611	78.	40	.1	..	.1	Ci s. in Hor.
	16	24.3	758.15	29.730	74.	29.850	29.738	....	76.8	69 2	.624	77.5	30	.1	..	.1	Ci s. in Hor.
	17	25.	757.90	29.717	75.	29.832	29.708	....	77.8	69.7	.630	76.	40	..	..	.1	Ci s. in Hor.
	18	25.2	757.40	29.697	75 8	29 812	29.686	....	75.	69.	.638	80.	40	..	..	.1	Ci-s. in Hor.
	19	25.	757.60	29.705	76.	29.820	29.694	....	73.5	68.5	.637	81.	40	..	..	.2	Ci s. in Hor.
	20	25.	757.60	29.705	75.8	29.820	29.694	....	70 5	66.	.588	81.	40	..	..	.2	Ci-s. in Hor.
	21	....	.....	*29.699	....	.....	*29.689	....	*67.6	....	*.552	*81.9	40	..	..	..	
	22	24.3	756.90	29.679	75.	29.790	29.665	....	66 5	63.	.539	83.	37	..	..	..	Clear.
	23	24.	756.25	29.654	74.5	29.764	29.641	....	66.1	62.5	.528	85.	15	..	..	..	Clear.

* Supplied.

Observed dew point: 3*h.*, 50°.4; 9*h.*, 58°.3; 15*h.*, 64°.8; 21*h.*, 55°.8.

Date.		Barometer No 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
26	0	23.7	756.20	29.655	74.	29.758	29.636	....	66.	62 5	.529	86.5	16	..	..	..	Clear.
	1	23.2	755.55	29.633	73.2	29.744	29.626	....	64.2	61.6	.523	88.	30	..	..	.1	Ci-s.
	2	23.	755.15	29.619	72.8	29.722	29.605	....	64.2	61.6	.523	90.	21	..	..	.2	Ci-s.
	3	22.5	754.75	29.605	71.9	29.710	29.605	....	63.5	61.4	.525	90.	0	..	..	..	Clear.
	4	22.	754.25	29.589	71.3	29.685	29.572	....	62.3	60.7	.518	90.	2	..	..	.1	Ci-s.
	5	21.8	754.00	29.580	70.6	29.676	29.566	....	61.9	60.5	.516	90.	2	..	..	.3	Ci., Ci s.
	6	21.7	754.10	29.584	70.2	29.682	29.572	....	63.7	61.7	.532	90.	10	..	..	..	Clear.
	7	22.	753.65	29.565	70.3	29.674	29.564	....	67.3	65.3	.601	87.3	5	..	..	.2	Ci., Ci-s.
	8	22.7	753.35	29.549	70.9	29 657	29.545	....	71.3	66.8	.605	82.	10	.2	..	.6	Ci., Ci-cu.
	9	23.	752.90	29.531	72.	29.610	29.525	90 5	72.9	71.3?	.740?	76.	45	2.5	..	.4	Ci., Ci-cu.
	10	23 4	752.35	29.507	72.7	29.624	29.508	91.	73.9	71.3?	.729?	74.	45	3.7	..	.3	Ci , Cu.
	11	23.7	752.10	29.496	73.2	29.610	29.493	91.	74.5	65.5	.529	73.	30	5.0	..	.6	Ci., Cu.
	12	24.2	751.00	29.450	74.	29.564	29.444	94.5	75.8	66.8	.556	73.	35	4.7	..	.3	Ci., Cu.
	13	25.	750.20	29.414	74.6	29.532	29.411	92.5	78.	68.	.571	70.	40	3.5	..	.2	Ci., Cu.
	14	25.3	749.00	29.365	75.3	29.484	29.361	96.	79.	66.5	.570	67.5	35	4.3	..	.4	Ci., Cu., Ci-cu., *WSW.*
	15	25.7	748.40	29.341	76.	29.464	29.339	92.	79.	68.	.560	69.	35	6.2	..	.5	Ci., Cu., Ci-cu., *WSW.*
	16	25.7	748.50	29.345	76.3	29.466	29.340	....	77.7	66.6	.529	68.3	35	6.0	..	.7	Ci., Cu., Cu-s., (1) *WSW.*,
	17	25.3	748.50	29.345	76.7	29.466	29.339	....	67.5	61.	.468	77.2	110	2.8	..	1.0	Ci., Cu., Cu-s., *WSW.* [(2) *W.*
	18	24.2	749.70	29.399	75.7	29 520	29.397	....	63.	59.5	.476	91.	130	3.0	.08	1.0	N., raining.
	19	24.1	749.70	29.399	75.1	29.520	29.398	....	62.	59.5	.487	91.	110	..	.01	1.0	N., raining.
	20	23.	750.00	29.416	72.6	29.533	29.417	....	61.	60.	.512	93.	345	..	.10	1.0	N., raining.
	21	23.	750.20	29.424	73.	29.540	29.423	....	61.	59.5	.499	93.5	340	..	.03	1.0	N.
	22	22.5	749.85	29.412	72.	29.500	29.385	....	60.1	58.4	.477	94.	2	.2	.01	1.0	N., raining.
	23	21.8	749.20	29.390	71.2	29.480	29.368	....	59.9	59.	.496	93.	18	..	.13	1.0	N., raining.

Observed dew point: 3*h.*, 56°; 9*h.*, 61°.5; 15*h.*, 58°.5; 21*h.*, 59°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
27	0	21.5	749.00	29.384	70.3	29.468	29.358	....	60.	59.	.495	93.	44	.1	.01	1.0	N., raining.
	1	21.2	749.30	29.397	69.9	29.494	29.385	....	55.	53.4	.401	93.	99	.2	.07	1.0	N., raining.
	2	20.8	749.25	29.396	69.	29.486	29.379	....	55.	52.3	.374	86.8	121	.2	.04	1.0	N.
	*3	20.4	749.45	29.406	67.7	29.500	29.397	....	55.	52.	.367	84.	100	.2	..	1.0	N.
	4	....	.....	†29.435	....	.....	†29.432	....	†52.5	....	†.308	†79.	..	.1	..	..	
	5	19.	750.10	29.439	65.9	29.538	29.439	....	51.2	45.4	.254	72.8	95	1.7	..	.4	Ci-s., Ci-cu.
	6	18.2	750.90	29.474	64.3	29.568	29.473	....	50.5	43.6	.223	70.	115	1.2	..	..	Clear.
	7	17.8	751.60	29.503	63.3	29.568	29.476	78.	51.5	44.8	.237	68.7	100	2.0	..	..	Clear.
	8	17.7	751.15	29.485	62.9	29.570	29.479	78.8	52.1	45.3	.242	67.4	103	2.0	..	..	Clear.
	9	17.5	750.90	29.478	63.	29.560	29.469	76.5	53.8	45.8	.235	66.	80	2.3	..	..	A few small Cu.
	10	17.5	750.70	29.470	62.6	29.556	29.467	....	55.5	47.	.243	65.	75	1.8	..	.8	Cu., *W.*
	11	17.4	750.50	29.462	62.4	20.550	29.461	....	56.5	47.5	.244	64.	75	2.0	..	.8	Cu., *W.*
	12	17.2	750.00	29.443	62.	29.520	29.432	....	56.9	48.6	.265	62.7	50	2.2	..	.9	Ci., Cu., N., *W.*
	13	17.2	750.00	29.443	62.	29.524	29.436	....	55.8	47.5	.252	65.	70	4.2	..	.9	Ci., Cu., N., showery, *W.*
	14	17.2	750.15	29.449	62.	29.532	29.444	....	58.4	47.4	.221	55.	85	2.7	.01	.8	Ci., Cu., N., *W.*
	15	17.2	750.30	29.455	62.	29.540	29.452	....	56.6	46.5	.220	57.5	110	3.7	..	.8	Ci., Cu., N., *W.*
	16	17.1	750.75	29.473	61.6	29.558	29.471	....	57.1	47.	.226	59.	100	3.0	..	.4	Ci., Cu., *W.*
	17	17.3	751.40	29.498	61.7	29.574	29.487	....	54.8	46.8	.246	60.	110	2.5	..	.1	Cu., *W.*
	18	17.	751.80	29.516	61.4	29.600	29.513	....	54.5	47.	.253	61.	110	1.5	..	.1	Cu., *W.*
	19	16.9	752.00	29.524	61.	29.610	29.524	....	53.5	45.5	.230	61.5	110	1.6	..	.6	Cu., Cu-s., *W.*
	20	16.	753.50	29.587	60.	29.658	29.575	....	48.5	42.5	.221	67.	110	2.6	..	1.0	N., *W.*
	21	15.3	753.90	29.607	59.	29.670	29.590	....	47.5	42.	.221	66.	110	1.5	..	1.0	N., *W.*
	22	14.9	753.90	29.608	58.1	29.670	29.592	....	47.5	41.8	.217	67.	110	1.5	..	.4	Ci-s.
	23	14.4	754.10	20.618	57.2	29.682	29.607	....	46.3	40.6	.206	68.5	115	1.5	..	.1	Ci-s.

* Fifteen minutes late. † Supplied. Observed dew point: 3*h.*, 49°; 9*h.*, 38°.3; 15*h.*, 36°.4; 21*h.*, 31°.9.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
28	0	13.9	754 65	29.644	56.6	29.706	29.632	....	44.4	36.9	.153	72.3	120	.4	..	..	A few Ci-s. at S. Hor.
	1	....	.....	*29.664	....	.....	*29.661	....	*44.1	....	*.159	*74.1	120	.2	..	..	
	2	13.3	755.00	29.659	57.	29.718	29 643	....	43.5	36.4	.153	74.8	85	.1	..	..	Clear.
	3	12.7	754.40	29.638	51.	29.690	29.623	....	44.1	39.5	.209	74.	100	.1	..	.8	Cu. and Ci-cu.
	4	12.2	754.70	29.653	53.5	29.700	29.634	....	44.2	40.1	.219	74.	95	.2	..	.9	Cu. and Ci-cu., S.
	5	12.	754.75	29.655	52.8	29.706	29.641	....	43.1	42.4	.279	76.	95	.1	..	.3	Cu. and Ci-cu.
	6	11.8	755.15	29.671	52.2	29.726	29.663	....	44.7	39.9	.209	74.	110	.2	..	.1	Cu., Ci.
	7	11.8	755.30	29.677	52.1	28.730	29.668	....	46.2	41.8	.232	70.	105	1.3	..	.1	Cu. at N. and W. Hor.
	8	12.	755.35	29.678	52.6	29.732	29.668	70.8	46.9	40.8	.204	66.5	105	2.7	..	.2	Cu.
	9	12.2	755.70	29.692	53.	29.756	29.691	70.	47.5	40.7	.195	65.5	100	3.9	..	.4	Cu., W. by N.
	10	12.5	755.60	29.687	53.5	29.752	29.686	74.5	49.5	41.5	.189	64.	120	3.2	..	.4	Cu., W. by N.
	11	12.5	755.75	29.693	53.8	29.757	29.690	....	47.7	40.	.178	64.5	110	3 0	..	.7	Cu., Ci., W. by N.
	12	14.7	756.00	29.691	56.	29.770	29.697	....	48.5	40.	.169	64.	100	3.2	..	.9	Cu., Ci., N., W. by N.
	13	18.	756.60	29.699	60.	29.787	29.704	....	49.2	40.7	.176	63.3	100	3.0	..	.9	Cu., Ci., W. by N.
	14	19.3	757.00	29.708	63.2	29.800	29.708	....	49.2	41.	.182	63.7	100	3.3	..	1.0	Cu., W. by N.
	15	19.4	757.00	29.707	64.3	29.800	29.704	....	49.2	41.5	.193	64.	100	3.6	..	1.0	Cu., W. by N.
	16	18.	757.00	29.714	63.8	29.800	29.705	....	49.5	42.5	.210	64.8	100	3.2	..	1.0	Cu., W. by N.
	17	18.4	757.50	29.732	63.5	29.820	29.726	....	49	42.5	.215	65.	100	2.8	..	1.0	Cu., W. by N.
	18	17.8	758.10	29.758	63.	29 850	29.757	....	48.	41.5	.205	65.2	90	3.0	..	1.0	Cu., W. by N.
	19	17.5	758 50	29.775	62.3	29.866	29.776	....	48.	41.5	.205	66.	100	1.0	..	1.0	Cu., W. by N.
	20	18.5	759.85	29.824	62.5	29.910	29.819	....	48.	40.5	.184	64.	100	1.5	..	1.0	Cu., W. by N.
	21	20.3	760.80	29.853	65.	29.950	29.852	....	46.5	40.	.190	66.	100	.3	..	..	Clear.
	22	20.9	761.20	29.865	66.8	29.970	29.867	....	46.4	40.	.191	68.2	100	..	..	..	Clear.
	23	21.4	761.25	29.865	68.	29.970	29.864	....	43.	39.4	.218	70.	100	..	..	..	Clear.

* Supplied.

Observed dew point: 3*h.*, 31°.5; 9*h.*, 29°.2; 15*h.*, 26°.5; 21*h.*, 39°.9.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
29	0	21.7	761.30	29.865	69.3	29.976	29.866	....	42.5	38.6	.208	73.	105	..	..	..	Clear.
	1	21.2	761.30	29.868	69.	29.961	29.852	....	41.5	38.	.206	76.5	74	..	..	..	Clear.
	2	21.2	761.25	29.866	68.7	29.964	29.857	....	41.1	36.8	.187	74.5	97	..	..	..	Clear.
	3	21.9	761.35	29.866	69.	29.964	29.855	....	40.5	36.4	.186	74.9	92	..	..	..	Clear.
	4	21.9	761.50	29.872	69.	29.990	29.881	41.1	40.1	36.5	.193	75.2	92	..	..	..	Clear.
	5	22.	761.85	29.886	69.5	29.980	29.870	36.	40.1	36.1	.185	75.	92	..	..	..	Clear.
	6	22.	762.50	29.911	69.7	30.000	29.890	....	42.7	38.	.193	73.2	78	..	..	.1	Ci., Cu.
	7	21.9	762.60	29.915	69.5	30.010	29.900	....	47.1	41.	.204	70.	78	..	..	..	Clear.
	8	22.	762.55	29.913	69.8	30.004	29.893	....	51.7	43.4	.203	66.6	92	.6	..	..	Clear.
	9	22.5	762.35	29.902	71.1	30.004	29.890	81.	53.8	44.5	.205	64.	105	.9	..	..	Clear.
	10	23.2	762.05	29.886	72.	30.002	29.885	81.5	56.5	47.2	.235	63.5	100	1.8	..	..	Clear.
	11	22.	761.20	29.860	71.3	29.970	29.855	80.5	57.2	47.6	.236	61.3	100	2.6	..	.1	Cu., *W.* by *N.*
	12	21.	760.40	29.833	70.	29.940	29.829	82.	58.2	46.8	.206	58.5	110	2.9	..	.1	Cu., *W.* by *N.*
	13	21.	760.00	29.817	69.	29.922	29.813	86.3	59.8	48.3	.223	58.5	110	2.7	..	.2	Cu., Ci., *W.* by *N.*
	14	20.8	759.55	29.800	68.5	29.908	29.801	....	61.	48.6	.217	57.	110	2.0	..	.7	Cu., Ci., *W.* by *N.*
	15	20.5	758.80	29.772	68.	29.872	29.766	....	61.4	47.5	.187	55.5	110	2.0	..	.9	Cu., Ci., *W.* by *N.*
	16	20.3	758.60	29.766	67.5	29.862	29.758	....	61.1	48.	.202	56.	100	1.3	..	1.0	Ci., C is., *W.* by *N.*
	17	19.6	758.50	29.765	67.	29.863	29.761	....	60.5	48.5	.220	57.	90	.1	..	.9	Ci., Ci s., *W.* by *N.*
	18	19.7	758.50	29.765	66.2	29.861	29.760	....	58.5	47.8	.224	59.8	80	..	..	1.0	Ci., Ci-s.
	19	19.5	758.50	29.767	66.	29.864	29.763	....	57.	48.5	.258	61.	80	..	..	1.0	Ci., Ci-s.
	20	18.6	759.00	29.789	65.	29.872	29.774	....	54.	48.3	.287	65.	80	..	..	1.0	Ci., Ci-s.
	21	18.1	759.20	29.809	64.	29.880	29.785	....	53.	46.5	.257	67.	80	..	..	.4	Ci., Ci-s.
	22	17.7	759.25	29.803	63.3	29.884	29.790	....	50.4	46.	.276	75.7	79	..	..	.3	Ci., Ci s.
	23	17.2	759.20	29.803	62.3	29.884	29.793	....	49.1	44.5	.257	75.5	52	..	..	.4	Ci., Ci-s.

Observed dew point: 3*h.*; 31°; 9*h.*, 34°.8; 15*h.*, 35°.7; 21*h*, 35°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
30	0	16 7	759.45	29.816	61.4	29.896	29.808	....	48.1	43.1	.237	72.	140	..	..	.5	Ci-s.
	1	16.2	759.60	29.825	60.7	29.898	29.812	....	46.	41.5	.228	75.5	141	..	..	.5	Ci., Ci-s.
	2	15.7	759.60	29.827	59.8	29.898	29.813	....	45.	40.6	.220	74.3	141	..	..	..	A few Ci. in *S.*
	3	14.8	759.50	29.827	58.1	29.896	29.817	....	42.7	38.5	.203	75.	140	..	..	..	Clear.
	4	14.4	759.50	29.829	57.3	29.892	29.815	....	40.3	37.4	.208	80.	140	..	..	..	Clear.
	5	13.7	759.65	29.839	56.1	29.904	29.830	....	39.5	36.7	.203	80.	140	..	..	..	Clear.
	6	13.5	760.20	29.861	55.4	29.926	29.854	64.	41.9	38.4	.210	79.	140	..	..	..	Clear.
	7	13.9	760.20	29.860	55.3	29.926	29.854	78.	48.4	42.6	.223	73.5	140	..	..	..	Ci., Cu.
	8	14.5	760.50	29.869	56.4	29.932	29.857	89.5	54.	46.2	.239	65.	230	..	..	.7	Ci., Cu.
	9	15.	760.30	29.858	57.4	29.932	29.855	90.	54.7	45.7	.221	65.	235	..	..	.4	Ci.
	10	15.4	759.90	29.841	58.4	29.920	29.840	95.	56.	47.3	.243	64.3	170	..	..	.3	Ci.
	11	15.8	759.45	29.820	59.2	29.900	29.818	98.	58.5	49.7	.271	63.3	25	..	..	.7	Ci., Ci cu., *W.*
	12	16.5	758.65	29.787	60.	29.874	29.789	96.	60.5	48.5	.220	58.3	50	..	..	.8	Ci., Ci-cu., *W.*
	13	17.	758.05	29.760	60.8	29.850	29.763	96.3	61.	48.	.203	56.2	120	..	..	.8	Ci., Ci-cu., *W.*
	14	17.6	757.55	29.738	61.7	29.825	29.737	100.4*	63.3	50.	.224	56.	115	..	..	.8	Ci., Ci-cu., *W.*
	15	18.	757.15	29.720	62 5	29.810	29.719	....	63.4	51.	.245	58.	50	..	..	.8	Ci., Ci-cu., *W.*
	16	18.1	756.90	29.710	63.	29 800	29.707	....	62.8	52.	.277	61.	30	..	..	.9	Ci., Ci-cu., *W.*
	17	18.1	756.70	29.702	63.5	29.788	29.694	....	61.2	51.	.270	62.	40	..	..	1.0	Cu., Ci-cu., *W.*
	18	18.	756.70	29.702	63.5	29.788	29.694	....	57.5	51.	.312	69.	40	..	..	.4	Ci., Ci-cu., *W.*
	19	18.	756.65	29.700	63.5	29.788	29.694	....	56.5	50.	.299	71.	45	..	..	.2	Ci., Ci-s., *W.*
	20	17.5	756.65	29.702	63.	29.788	29.695	....	53.5	48.5	.298	77.	45	..	..	..	Clear.
	21	16.8	756.50	29.700	62.2	29.786	29.696	....	51.2	46.3	.263	78.	16	..	..	..	Clear.
	22	16.2	756.35	29.697	61.	29.780	29.693	....	48.8	43.9	.247	80.	18	..	..	..	Clear.
	23	....	.....	.....	....	.....	.....	....	....	....	....	....	..	..	..	..	

* Registered 10.4.

Observed dew point: 3*h.*, 33°; 9*h.*, 33°.8; 15*h.*, 36°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
2	0	....	.....	.....	....	.....	.....	....	....	....	....	....	325	..	..	..	
	1	....	.....	.....	....	.....	.....	....	....	....	....	....	325	..	..	..	
	2	....	.....	.....	....	.....	.....	....	....	....	....	....	325	..	..	..	
	3	....	.....	.....	....	.....	.....	....	....	....	....	....	325	..	..	..	
	4	....	.....	.....	....	.....	.....	....	....	....	....	....	325	..	..	..	
	5	....	.....	.....	....	.....	.....	....	....	....	....	....	325	..	..	..	
	6	....	.....	.....	....	.....	.....	....	....	....	....	....	325	..	..	..	
	7	....	.....	.....	....	.....	.....	....	....	....	....	....	325	..	..	..	
	8	....	.....	.....	....	.....	.....	....	....	....	....	....	325	..	.01	..	
	9	14.2	751.75	29.527	56.7	29.600	29.526	....	53.	52.	.389	90.	140	..	.02	1.0	Ci., Cu., N.
	10	14.3	751.65	29.522	56.8	29.600	29.525	....	53.5	52.9	.405	91.	140	..	.01	1.0	N., raining.
	11	14.3	751.20	29.504	56.8	29.580	29.505	....	52.9	51.	.365	88.	210	..	.09	1.0	N., raining.
	12	14.3	751.00	29.496	56.8	29.570	29.495	....	52.4	50.4	.357	89.	210	.1	.01	1.0	N., raining.
	13	14.3	750.30	29.469	57.	29.534	29.459	....	51.6	49.8	.351	88.7	225	.2	.01	1.0	N., raining.
	14	14.2	751.00	29.497	56.8	29.568	29.493	....	51.6	49.8	.351	88.7	190	.1	..	1.0	N.
	15	14.	751.30	29.509	56.5	29.584	29.510	....	50.	49.	.350	90.5	170	.1	.02	1.0	N., raining.
	16	14.	751.90	29.533	56.4	29.604	29.530	....	50.8	49.3	.349	89.5	160	..	..	1.0	N., drizzling.
	17	14.2	752.80	29.569	56.5	29.636	29.562	....	52.	50.	.351	87.	170	..	..	1.0	N.
	18	14.3	753.00	29.574	56.7	29.646	29.572	....	52.4	50.	.347	86.	170	..	..	.8	N.
	19	14.	753.35	29.590	56.5	29.667	29.593	....	51.5	49.	.333	86.	165	..	..	.7	Cu., Ci-cu.
	20	14.	754.50	29.636	56.	29.704	29.631	....	50.5	46.5	.287	80.3	152	..	..	..	A few Cu in Hor.
	21	14.	755.10	29.659	56.	29.728	29.655	....	49.	45.5	.281	80.7	150	..	..	..	Clear.
	22	14.2	756.00	29.694	56.2	29.746	29.673	....	48.6	44.5	.263	77.2	160	..	..	..	Clear
	23	14.2	755.65	29.681	56.1	29.748	29.675	....	46.9	43.3	.257	78.9	160	..	..	..	Clear.

Observed dew point: 9*h.*, 51°.2; 15*h.*, 48°.2; 21*h.*, 42°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
3	0	15.7	756.15	29.694	56.7	29.764	29.690	43.4	45.9	42.7	.254	80.2	140	..	..	..	Clear.
	1	16.7	756.50	29.700	58.4	29.778	29.699	43.7	46.5	42.5	.243	77.7	146	..	..	..	Very dark.
	2	18.2	756.60	29.698	61.	29.782	29.696	45.2	47.2	43.	.246	71.9	161	..	..	..	Very dark.
	3	18.3	756.90	29.708	62.6	29.796	29.705	....	47.	42.8	.244	78.	164	..	..	..	Very dark.
	4	20.1	757.45	29.722	64.	29.818	29.723	....	46.5	43.	.265	79.	157	..	..	1.0	Ci-s.
	5	21.7	756.75	29.686	66.9	29.804	29.701	....	46.	43.	.260	80.5	178	..	..	1.0	Ci-s.
	6	22.5	757.65	29.718	68.9	29.810	29.701	....	46.1	43.3	.266	83.5	178	..	..	.6	Ci-s.
	7	22.2	758.75	29.762	70.	29.864	29.753	....	47.	44.5	.280	82.6	225	..	..	1.0	Ci-s.
	8	23.	759.10	29.772	70.	29.876	29.765	....	47.5	*46.5	.320	85.	225	..	..	1.0	Ci-s.
	9	21.6	758.95	29.773	69.3	29.864	29.754	....	47.	45.2	.296	89.	233	..	.04	1.0	N., raining.
	10	20.9	758.65	29.765	68.8	29.868	29.759	....	47.	45.5	.303	88.	248	.1	.07	1.0	N., raining.
	11	20.6	758.55	29.762	68.	29.850	29.744	....	47.	45.5	.303	90.9	243	..	.05	1.0	N., raining.
	12	20.	758.70	29.771	67.	29.868	29.765	....	47.3	46.3	.318	91.	270	..	.09	1.0	N., raining.
	13	20.1	758.70	29.771	66.8	29.868	29.765	....	47.3	46.1	.314	91.	240	..	.06	1.0	N., raining.
	14	20.	758.20	29.751	66.6	29.842	29.740	....	47.	46.	.315	91.	243	..	.04	1.0	N., raining.
	15	20.3	757.60	29.727	66.7	29.830	29.728	....	47.5	46.2	.313	90.8	240	..	..	1.0	N., raining.
	16	20.2	757.85	29.737	67.	29.837	29.734	....	47.6	46.4	.317	90.8	230	.2	.02	1.0	N., raining.
	17	20.	757.80	29.736	66.5	29.837	29.735	....	46.5	45.2	.302	90.5	250	.3	..	1.0	N., raining.
	18	19.2	756.60	29.693	66.	29.808	29.707	....	46.5	45.2	.297	90.	210	.2	..	1.0	N., raining.
	19	19.	756.85	29.702	65.	29.818	29.720	....	46.3	44.5	.289	89.2	210	..	..	1.0	N., raining.
	20	17.5	758.35	29.769	63.	29.850	29.757	....	44.8	43.5	.284	92.8	210	..	.03	1.0	N., raining.
	21	17.	758.60	29.782	62.	29.858	29.768	....	44.5	43.5	.288	92.	210	..	.02	1.0	N., raining.
	22	16.5	758.10	29.765	61.	29.834	29.747	....	44.7	43.8	.292	92.	210	..	.04	1.0	N., raining.
	23	16.	757.65	29.749	60.	29.826	29.741	....	44.7	44.	.296	92.3	210	..	.04	1.0	N., raining.

* Recorded 41.5.

Observed dew point: 3*h.*, 43°; 9*h.*, 42°; 15*h.*, 45°.3; 21*h.*, 44°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
4	0	16.1	757.75	29.753	59.5	29.826	29.743	....	45.4	44.5	.299	92.	140	..	.02	1.0	N.
	1	16.8	757.80	29.752	60.	29.826	29.741	....	44.7	44.7	.311	92.	140	..	..	1.0	N., raining.
	2	18.	757.85	29.748	61.2	29.828	29.741	....	46.	44.9	.301	91.2	155	..	..	1.0	N.
	3	....	.....	*29.757	....	.....	*29.769	....	*46.2	....	*.299	*90.3	155	..	..	..	
	4	20.7	758.90	29.771	65.1	29.874	29.776	....	46.	44.6	.294	91.	155	..	..	1.0	Clear.
	5	21.	759.30	29.790	67.	29.896	29.793	....	46.	44.5	.292	89.8	155	..	..	1.0	Ci-s.
	6	21.9	760.15	29.819	68.	29.916	29.810	....	46.2	45.	.301	90.2	173	..	..	1.0	Ci-s.
	7	22.	760.55	29.835	68.8	29.940	29.831	....	48.	45.5	.294	85.8	130	..	..	1.0	Ci-s.
	8	23.2	761.10	29.845	70.2	29.954	29.843	....	49.7	47.1	.308	85.3	135	..	..	1.0	N.
	9	24.	761.40	29.857	72.2	29.960	29.843	....	53.	49.	.314	79.2	135	.1	..	1.0	Ci., Cu.
	10	24.2	761.65	29.867	73.	29.982	29.863	89.3	56.1	49.9	.301	73.2	180	.2	..	1.0	Ci., Cu.
	11	25.2	762.00	29.875	74.5	29.976	29.853	85.4	58.	50.7	.299	69.8	135	.8	..	.8	Ci., Cu., N.
	12	24.7	762.00	29.878	74.8	29.990	29.865	....	56.5	50.5	.312	73.	190	.4	..	.6	Ci.
	13	25.	762.00	29.876	75.	30.000	29.875	....	58.6	51.6	.318	70.	165	..	..	.6	Ci., Cu., N.
	14	24.3	762.05	29.881	74.5	30.004	29.881	....	57.8	51.9	.334	72.	255	..	..	.6	Ci., Cu., N.
	15	23.8	762.50	29.901	74.	30.020	29.898	....	57.	51.5	.331	73.5	240	..	..	.8	Ci., Cu., N.
	16	24.	762.70	29.909	73.6	30.020	29.900	....	60.6	48.4	.219	61.5	115	..	..	.3	Ci., Ci-cu., Cu.
	17	24.	762.90	29.917	73.5	30.030	29.910	....	61.	51.2	.277	60.	130	..	..	.1	Ci., Ci-cu., Cu.
	18	23.8	763.25	29.934	73.	30.050	29.931	....	60.	53.	.334	69.	130	..	..	.2	Cu.
	19	24.	763.70	29.948	73.5	30.066	29.946	....	58.5	50.2	.281	64.	130	..	..	.2	Cu.
	20	25.	764.80	29.987	74.8	30.100	29.975	....	54.	49.8	.323	74.	135	..	..	.1	Cu.
	21	26.	765.75	30.020	75.7	30.150	30.024	....	54.5	48.5	.287	75.	250	..	..	..	A few Cu. at Hor.
	22	26.	766.85	30.060	77.5	30.194	30.063	....	50.5	47.6	.311	80.6	245	..	..	.3	Ci-cu., Ci-s.
	23	25.9	767.40	30.085	77.5	30.206	30.075	....	48.2	46.4	.310	88.7	245	..	..	.2	Ci-s.

* Supplied.

Observed dew point: 9*h.*, 48°; 15*h.*, 44°.5; 21*h.*, 46°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
5	0	24.9	768.00	30.113	76.1	30.224	30.097	....	45.7	43.5	.274	89.	240	..	..	..	Clear.
	1	24.2	767.85	30.111	75.	30.218	30.093	46.3	44.8	43.	.273	88.5	240	..	..	..	Clear.
	2	23.7	767.80	30.112	73.6	30.226	30.106	37.	44.9	42.4	.259	85.	240	..	..	..	Clear.
	3	24.3	768.25	30.126	72.9	30.237	30.118	37.	44.	41.	.243	80.2	240	..	..	..	Clear.
	4	22.2	768.60	30.153	72.2	30.250	30.133	36.5	43.	39.5	.221	80.	240	..	..	..	Clear.
	5	22.5	768.70	30.153	70.6	30.264	30.149	38.2	43.5	39.	.203	86.2	240	..	..	..	Clear.
	6	23.2	769.50	30.180	71.4	30.280	30.165	....	45.6	40.4	.212	72.5	180	..	..	..	Clear.
	7	24.8	770.10	30.197	73.5	30.300	30.180	....	49.5	43.	.220	68.9	160	..	..	..	Clear.
	8	24.	770.25	30.205	74.	30.316	30.194	84.	52.2	47.	.279	65.	160	..	..	..	Clear.
	9	23.5	770.40	30.214	73.8	30.330	30.209	93.	55.5	46.9	.238	64.	160	..	..	..	Clear.
	10	23.	770.40	30.217	73.	30.328	30.209	95.	56.8	47.8	.243	62.	150	..	..	..	Clear.
	11	20.5	770.00	30.212	70.	30.308	30.197	93.	59.5	48.8	.224	56.5	160	..	..	..	Clear.
	12	20.6	769.60	30.197	69.3	30.300	30.190	94.	59.4	47.2	.200	54.	110	..	..	..	Clear.
	13	20.7	769.40	30.189	68.5	30.288	30.181	94.	61.	49.7	.241	56.	110	.1	..	..	Clear.
	14	21.8	768.90	30.165	69.	30.270	30.161	96.3	61.9	50.	.237	54.5	150	.1	..	..	Clear.
	15	22.2	768.55	30.147	69.8	30.242	30.130	90.	63.2	51.	.247	54.7	110	..	..	..	Clear.
	16	22.7	768.30	30.135	70.7	30.240	30.127	....	64.4	51.5	.246	54.8	100	..	..	..	Clear.
	17	22.8	768.70	30.127	71.	30.234	30.119	....	64.9	50.	.253	54.7	100	..	..	..	Ci-s. at Hor.
	18	22.8	767.90	30.119	71.	30.220	30.105	....	62.8	52.	.277	55.	110	..	..	..	Ci-s. at Hor.
	19	22.2	768.00	30.125	71.2	30.224	30.109	....	60.5	51.4	.288	57.5	110	..	..	..	Ci-s. at Hor.
	20	22.5	768.00	30.124	76.	30.224	30.112	....	53.5	47.5	.275	66.5	110	..	..	..	Ci-s. at Hor.
	21	21.	767.90	30.127	69.	30.221	30.111	....	51.4	47.	.287	79.	110	..	..	..	Ci-s. at Hor.
	22	20.	767.75	30.131	68.	30.214	30.114	....	50.	47.	.303	81.8	25	..	..	..	Ci-s. at Hor.
	23	19.2	767.60	30.121	66.3	30.202	30.100	....	48.5	46.	.298	85.	25	..	..	..	Ci-s. at Hor.

Observed dew point: 3*h.*, 35°.5; 9*h.*, 37°.7; 15*h.*, 40°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
6	0	19.	767.25	30.112	65.	30.198	30.100	....	47.5	45.9	.307	89.	25	..	..	..	Ci-s at Hor.
	1	17.9	767.05	30.110	63.9	30.196	30.101	....	46.5	45.	.298	90.2	25	..	..	..	Ci-s. at Hor.
	2	17.	766.65	30.099	62.5	30.176	30.085	....	45.5	44.5	.298	91.	25	..	..	..	Ci s. at Hor.
	3	17.	766.55	30.095	61.6	30.170	30.082	43.5	46.7	45.6	.309	92.	25	..	..	..	Clear.
	4	16.2	766.40	30.093	60.5	30.162	30.076	43.6	45.7	44.8	.302	92.	25	..	..	..	Clear.
	5	14.8	766.40	30.100	59.8	30.160	30.075	42.5	45.3	44.5	.300	92.4	25	..	..	..	Clear.
	6	14.4	766.35	30.099	58.8	30.160	30.078	....	47.3	46.	.309	90.	25	..	..	..	Clear.
	7	15.7	766.20	30.087	58.8	30.158	30.076	....	51.5	48.	.309	82.	45	..	..	..	Clear.
	8	16.3	766.10	30.080	59.5	30.154	30.071	....	56.	51.	.329	76.	70	..	..	..	Clear.
	9	17.	765.80	30.065	60.7	30.140	30.054	90.	60.7	55.	.377	77.8	55	..	..	..	Clear.
	10	17.7	765.25	30.040	62.2	30.118	30.028	92.	63.7	56.7	.391	72.	30	.1	..	..	Clear.
	11	18.	764.70	30.017	63.	30.100	30.007	86.5	65.4	56.	.351	67.5	35	.4	..	..	Clear.
	12	18.8	763.70	29.972	64.	30.056	29.961	89.	66.7	56.	.336	63.8	60	1.0	..	..	Clear.
	13	19.4	763.00	29.942	64.7	30.032	29.936	90.8	68.4	56.	.317	63.	35	1.2	..	..	Clear.
	14	20.	762.50	29.920	65.5	30.008	29.909	89.8	69.	56.4	.320	61.	40	2.0	..	.1	A few Ci.
	15	20.5	762.00	29.897	66.5	29.980	29.878	85.8	69.5	56.8	.325	60.	25	2-2	..	.1	A few Ci.
	16	20.8	761.75	29.887	67.2	29.974	29.871	....	69.9	54.5	.312	59.8	35	2.6	..	..	A few Ci.
	17	21.2	761.80	29.888	68.	29.974	29.868	....	70.	57.8	.349	59.5	60	2.5	..	..	A few Ci.
	18	21.7	761.60	29.877	69.	29.969	29.860	....	67.	57.5	.375	63.	60	1.7	..	..	A few Ci.
	19	21.4	761.50	29.875	69.	29.960	29.851	....	64.	55.	.341	66.5	30	.5	..	..	A few Ci.
	20	20.9	761.60	29.881	68.3	29.968	29.861	....	61.	53.	.324	69.5	35	..	..	..	A few Ci.
	21	20.6	762.00	29.897	68.1	29.984	29.878	....	60.	54.	.361	74.5	35	..	..	..	Clear.
	22	20.	761.80	29.893	67.1	29.980	29.877	....	60.5	55.	.380	74.5	45	..	..	1.0	N., Cu.
	23	20.	762.00	29.900	66.4	29.984	29.882	....	59.5	54.	.366	77.	40	..	..	1.0	N., Cu.

Observed dew point: 3*h*., 44°.5; 9*h*., 50°; 15*h*., 46°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
7	0	19.6	761.80	29.895	66.	29.978	29.877	....	58.	53.	.357	80.	90	..	..	1.0	Cu., Ci-s.
	1	19.5	761.65	29.890	65.5	29.972	29.873	....	57.6	52.	.343	82.	110	..	..	1.0	N., Ci-s.
	2	19.	762.00	29.905	65.3	29.984	29.885	....	58.2	52.5	.342	72.	135	..	..	1.0	Ci-s.
	3	18.6	762.50	29.927	64.8	30.000	29.902	....	55.5	49.5	.299	66.	170	1.0	..	1.0	Ci-s.
	4	17.7	763.00	29.950	63.4	30.030	29.936	....	51.4	42.5	.187	64.	170	.3	..	.4	Ci-s.
	5	17.4	763.50	29.971	62.8	30.050	29.963	....	52.	40.	.150	64.	175	.3	..	.7	Ci-s.
	6	17.	764.50	30.014	61.8	30.084	29.994	....	49.5	41.	.177	65.5	155	.8	..	.2	Ci-s.
	7	17.	765.45	30.051	61.4	30.124	30.036	....	51.	42.	.180	67.	185	1.0	..	.1	Ci-s.
	8	17.	766.00	30 073	61.3	30.156	30.068	....	52.7	44.	.205	66.	190	.8	..	.2	Ci., Ci-s.
	9	17.	765.95	30.071	61.3	30.154	30.066	85.	53.4	45.	.218	65.5	190	.6	..	.2	Ci., Ci-s.
	10	17.4	766.30	30.082	62.	30.158	30.068	82.5	55.	44.8	.196	63.	170	.5	..	.2	Ci., Ci-s.
	11	17.5	766.30	30.082	62.	30.160	30.070	87.5	56.3	46.	.209	62.5	160	.4	..	.2	Ci., Ci-s.
	12	17.5	765.80	30.062	61.9	30.150	30.060	86.5	57.4	45.7	.189	60.	190	.8	..	.2	Ci., Ci-s.
	13	17.7	765.80	30.061	62.	30.148	30.058	87.	58.5	46.	.184	58.6	165	.4	..	.2	Ci., Ci-s.
	14	17.8	764.45	30.047	62.2	30.130	30.040	....	58.5	45.	.163	55.	145	.4	..	.6	Ci., Ci-s.
	15	18.	765.00	30.028	65.2	30.110	30.019	....	61.5	47.6	.188	52.	135	.3	..	..	Ci-s. at Hor.
	16	18.7	765.00	30.025	63.2	30.110	30.017	....	61.4	48.	.199	51.8	170	.1	..	.3	Ci., Ci-s.
	17	19.	764.90	30.020	63.8	30.107	30.012	....	61.5	48.9	.219	51.	165	..	..	.5	Ci., Ci-s.
	18	18.2	764.70	30.015	64.	30.100	30.005	....	59.5	50.	.267	56.	170	..	..	.9	Ci., Ci-s.
	19	18.5	764.60	30.010	63.6	30.098	30.004	....	58.	48.5	.249	55.	170	..	..	.9	Ci., Ci-s.
	20	17.8	764.90	30.026	63.	30.110	30.017	....	51.	44.	.226	63.	170	..	..	1.0	Ci., Ci-s.
	21	17.3	765.25	30.040	62.	30.126	30.036	....	48.8	44.	.250	76.	170	..	..	1.0	Ci., Ci-s.
	22	16.9	765.25	30.043	61.2	30.126	30.038	....	46.2	43.	.257	79.	330	..	..	1.0	Ci., Ci-s.
	23	....	.....	*30.053	....	.....	*30.048	....	*45.3	....	*.247	*79.5	130	..	..	..	Ci., Ci-s.

* Supplied.

Observed dew point: 3*h*., 44°; 9*h*., 37°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
9	0	....	.....	.....	....	.....	.....	....	....	....	....	....	..	..	..	..	
	1	....	.....	.....	....	.....	.....	....	....	....	....	....	..	..	..	..	
	2	....	.....	.....	....	.....	.....	....	....	....	....	....	..	..	..	..	
	3	....	.....	.....	....	.....	.....	....	....	....	....	....	..	..	..	..	
	4	....	.....	.....	....	.....	.....	....	....	....	....	....	..	..	..	..	
	5	....	.....	.....	....	.....	.....	....	....	....	....	....	..	.7	..	..	
	6	....	.....	.....	....	.....	.....	....	....	....	....	....	..	.4	..	..	Ci., Ci-cu.
	7	12.8	756.80	29.731	54.	29.784	29.716	70.4	45.8	42.4	.249	78.	165	.3	..	.1	Clear.
	8	13.	757.00	29.738	54.2	29.800	29.732	73.2	46.5	41.5	.223	72.2	165	1.2	..	..	A few scattered Cu.
	9	13.1	757.20	29.746	54.6	29.808	29.739	73.5	46.8	41.7	.224	72.5	165	1.5	..	..	A few scattered Cu.
	10	13.2	757.40	29.753	55.	29.810	29.739	74.3	47.9	41.7	.212	64.2	165	2.4	..	.2	A few scattered Cu.
	11	15.2	757.95	29.765	56.2	29.832	29.758	71.	47.8	41.	.199	61.9	130	2.5	..	.4	A few scattered Cu.
	12	18.8	758.70	29.776	61.	29.864	29.777	62.	48.7	40.1	.169	59.	150	2.2	..	.4	A few scattered Cu.
	13	21.	759.35	29.791	65.3	29.880	29.781	66.2	49.2	41.5	.193	59.1	152	2.3	..	.6	A few scattered Cu.
	14	21.5	759.15	29.782	67.8	29.878	29.772	72.	49.9	46. ?	.282?	57.8	140	2.3	..	.6	A few scattered Cu.
	15	22.	759.00	29.773	69.1	29.872	29.763	71.3	50.7	41.6	.176	57.	140	2.2	..	.5	A few scattered Cu.
	16	21.3	759.00	29.776	70.	29.872	29.761	....	52.	46. ?	.259?	54.	150	1.5	..	.5	A few scattered Cu.
	17	22.8	759.00	29.769	70.3	29.872	29.760	....	52.8	42.8	.177	52.8	120	1.3	..	.2	A few scattered Cu.
	18	24.	759.20	29.771	72.	29.878	29.761	....	53.5	43.9	.193	51.	125	1.0	..	..	A few scattered Cu.
	19	....	.....	*29.784	....	.....	*29.730	....	*51.6	....	*.201	*56.3	..	.5	..	..	A few scattered Cu.
	20	23.5	760.00	29.805	75.	29.900	29.701	....	46.8	41.	.209	62.	130	.1	..	..	Ci-s. in Hor.
	21	22.5	760.70	29.838	71.8	29.938	29.821	....	44.5	39.5	.204	65.	125	..	..	.1	Ci-s. in Hor.
	22	21.9	760.65	29.839	69.9	29.940	29.829	....	43.	40.	.230	78.1	130	..	..	.1	Ci-s. in Hor.
	23	21.1	760.90	29.853	69.	29.950	29.841	....	43.1	39.5	.219	73.9	130	..	..	.1	Ci-s. in Hor.

* Supplied.

Observed dew point: 9*h.*, 35°; 15*h.*, 28°; 21*h.*, 37°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
10	0	....	.....	*29.853	....	.....	*29.842	....	*41.7	....	*.227	*80.	..	..	..	..	
	1	20.	760.75	29.852	67.1	29.946	29.843	....	40.4	38.8	.236	84.1	130	..	..	..	A few Ci-s.
	2	19.4	760.75	29.855	66.	29.950	29.849	....	40.	39.	.244	86.9	130	..	..	..	A few Ci-s.
	3	19.5	760.25	29.835	65.7	29.930	29.831	....	43.	39.	.208	73.	65	..	..	1.0	N.
	4	19.7	760.15	29.830	65.3	29.922	29.823	....	43.2	38.5	.198	77.6	58	..	..	1.0	N.
	5	19.2	760.50	29.846	65.2	29.938	29.840	....	44.	40.	.219	76.	90	..	..	1.0	N., raining.
	6	19.2	760.50	29.846	65.	29.940	29.842	....	45.7	41.4	.230	75.5	70	..	..	1.0	N., raining.
	7	19.4	760.25	29.835	65.9	29.930	29.829	....	47.2	42.	.225	75.	85	..	..	1.0	N.
	8	18.	758.75	29.783	63.7	29.900	29.806	....	48.9	43.2	.231	75.	80	..	..	1.0	N.
	9	18.4	758.80	29.783	63.5	29.872	29.778	....	51.7	46.	.263	74.7	35	2.0	..	1.0	Ci-s.
	10	19.3	758.30	29.759	64.3	29.856	29.760	....	55.8	49.	.285	72.3	45	2.2	..	1.0	Ci-s.
	11	20.	757.90	29.740	66.	29.840	29.739	....	60.	51.4	.296	68.	55	2.5	..	1.0	Ci-s.
	12	20.1	757.20	29.712	66.6	29.812	29.710	....	62.9	53.6	.318	66.	55	2.0	..	1.0	Ci-s.
	13	20.3	756.90	29.699	67.	29.802	29.699	....	65.5	57.3	.386	70.	25	1.0	..	1.0	Ci-s.
	14	20.3	756.50	29.683	67.	29.782	29.679	....	66.	57.	.372	68.5	35	2.0	..	1.0	Ci-s.
	15	20.1	755.80	29.658	67.2	29.756	29.654	....	66.5	57.5	.381	68.	35	2.2	..	1.0	Ci-s.
	16	20.3	755.65	29.651	67.5	29.750	29.646	....	67.2	57.5	.373	67.	35	2.9	..	1.0	Ci-s.
	17	20.4	755 35	29.638	67.5	29.728	29.625	....	67.	57.5	.406	68.5	50	2.3	..	1.0	Ci-s.
	18	20.7	755.55	29.645	67.9	29.742	29.637	....	66.	58.5	.414	70.5	50	2.8	..	1.0	Ci-s.
	19	20.5	755 50	29.644	67.8	29.740	29.635	....	64.5	58.5	.404	71.	50	2.5	..	1.0	Ci-s.
	20	20.	755.90	29.661	67.3	29.762	29.658	....	62.5	57.5	.398	72.	50	.8	..	.4	Ci-s.
	21	20.	756.40	29.680	67.	29.769	29.666	....	61.8	56.5	.407	78.	50	.8	..	..	Clear.
	22	19.8	756.40	29.682	66.8	29.769	29.667	....	61.5	56.4	.407	80.	40	.9	..	..	Clear.
	23	19.8	756.40	29.682	66.5	29.776	29.675	....	60.5	55.2	.400	80.7	50	.9	..	..	Clear.

* Supplied.

Observed dew point: 3*h.*, 32°; 9*h.*, 38°.5; 15*h.*, 48°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
11	0	19.	756.20	29.679	65.5	29.770	29.673	....	58.	53.	.358	83.	35	..	..	..	Clear.
	1	19.	756.00	29.671	65.	29.750	29.654	....	57.5	55.	.414	87.	40	..	..	.5	Ci-s.
	2	18.5	755.75	29.663	64.7	29.748	29.643	....	57.5	54.5	.404	86.5	45	..	..	..	Clear.
	3	18.4	755.65	29.659	64.2	29.740	29.646	....	57.	54.	.394	87.	50	..	..	..	Clear.
	4	18.	755.45	29.654	63.8	29.730	29.636	....	56.2	52.7	.370	87.	50	..	..	1.0	Ci-s., Ci cu.
	5	17.8	755.40	29.652	63.7	29.728	29.634	....	56.5	53.	.375	87.	50	..	..	.6	Ci-s.
	6	17.8	755.80	29.668	63.	29.750	29.659	....	57.4	53.7	.382	87.	35	..	..	.4	S.
	7	18.	756.00	29.675	63.	29.750	29.659	....	61.4	57.	.425	82.	50	..	..	.2	Ci.
	8	19.	756.00	29.671	64.	29.750	29.656	....	65.	59.7	.460	79.8	35	..	..	.4	Ci-cu., Ci-s.
	9	19.5	755.80	29.661	65.3	29.750	29.653	92.5	67.8	61.	.466	76.	30	1.3	..	.7	Ci., Ci-cu., Cu., Ci-s.
	10	19.6	755.45	29.647	66.	29.736	29.637	....	68.7	60.7	.448	74.	30	1.2	..	.9	Ci., Ci-cu., Cu., Ci-s.
	11	20.2	755.00	29.626	67.	29.720	29.618	95.	71.6	63.6	.502	74.5	30	1.0	..	.2	Ci-s., Ci-cu.
	12	22.5	754.65	29.602	68.3	29.708	29.603	94.	74.	65.	.518	73.	40	1.8	..	.2	Ci-s., Ci-cu.
	13	22.	753.80	29.571	69.7	29.678	29.570	96.2	76.3	66.	.525	70.5	40	2.3	..	.2	Ci-s., Cu.
	14	22.6	753.20	29.544	70.8	29.650	29.538	95.	77.3	66.3	.523	68.7	35	3.0	..	.2	Ci-s., Cu.
	15	23.	752.70	29.523	71.7	29.633	29.520	93.5	78.	67.	.538	69.	35	2.8	..	.3	Ci-s., Cu.
	16	23.7	752.50	29.512	73.	29.620	29.503	....	77.6	67.3	.553	70.	40	2.5	..	.5	Ci-s., Cu.
	17	24.5	752.50	29.507	74.	29.620	29.505	....	77.2	68.	.580	71.	35	2.0	..	.2	Ci-s., Cu.
	18	24.6	752.60	29.510	74.8	29.624	29.502	....	74.	66.4	.562	74.2	35	1.8	..	.2	Ci-s., Cu.
	19	24.5	752.80	29.519	74.8	29.632	29.510	....	74.5	66.	.566	76.5	35	.1	..	.2	Ci-s., Cu.
	20	24.1	754.10	29.573	74.5	29.682	29.561	....	71.3	66.8	.541	77.	35	..	..	..	Clear.
	21	24.	755.45	29.626	74.2	29.732	29.612	....	70.5	57.5	.338	63.	160	.1	..	..	Clear.
	22	23.6	756.85	29.681	73.1	29.788	29.669	....	67.	55.5	.323	64.2	150	.8	..	..	Clear.
	23	23.6	757.00	29.687	72.8	29.796	29.677	....	62.	53.8	.335	68.8	190	.1	..	.1	Ci-s. at Hor.

Observed dew point: 3*h.*, 48°; 9*h.*, 57°.1; 15*h.*, 61°; 21*h.*, 40°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
12	0	22.6	757.75	29.722	71.9	29.820	29.703	....	59.6	52.2	.320	70.	180	..	..	.05	Clear.
	1	22.	757.65	29.721	70.9	29.816	29.702	....	57.5	50.5	.300	71.	160	..	..	.05	Clear, nearly.
	2	21.2	758.05	29.740	69.7	29.830	29.720	....	56.	49.	.287	70.9	120	..	..	.3	N.
	3	20.9	758.15	29.745	68.2	29.832	29.726	....	54.4	47.	.254	73.	125	..	..	.4	Ci-s.
	4	20.	758.25	29.753	68.3	29.850	29.744	....	52.5	46.	.253	75.	125	..	..	1.0	S.
	5	19.6	758.75	29.775	66.7	29.864	29.762	....	52.5	47.	.275	76.	110	..	..	..	Ci-s.
	6	18.8	759.75	29.817	65.	29.900	29.802	....	54.5	47.5	.311	76.	115	..	..	..	Clear.
	7	18.4	760.00	29.830	64.5	29.910	29.814	....	55.5	49.	.288	74.	125	.2	..	1.0	Clear.
	8	18.8	760.50	29.847	64.5	29.928	29.832	....	56.	48.	.259	74.	125	.4	..	1.0	Ci-s.
	9	18.5	760.50	29.849	64.3	29.932	29.836	....	56.8	49.5	.285	73.5	130	.5	..	1.0	Ci-s., Cu.
	10	18.4	760.50	29.849	64.1	29.940	29.845	....	57.2	49.2	.273	72.	135	.5	..	.6	Ci-s., Cu.
	11	18.5	760.50	29.849	64.	29.935	29.840	....	57.5	50.	.289	72.	130	1.1	..	.4	Ci-s., Cu.
	12	18.5	760.25	29.839	64.	29.928	29.833	86.5	58.2	50.	.281	71.	130	1.2	..	.4	Ci-s., Cu.
	13	18.7	760.25	29.839	64.1	29.930	29.835	85.3	59.5	50.5	.279	70.	135	1.0	..	..	Ci-s., Cu.
	14	19.	760.00	29.827	64.3	29.920	29.824	85.	61.	51.4	.284	69.	..	.8	..	..	Hazy.
	15	19.1	759.85	29.821	64.8	29.910	29.812	87.2	62.5	52.9	.304	67.8	130	.7	..	..	Hazy.
	16	19.7	759.90	29.820	65.4	29.912	29.813	....	64.1	54.	.315	67.	110	.1	..	..	Hazy.
	17	20.	759.80	29.814	66	29.910	29.809	....	64.4	54.	.311	66.	140	..	..	..	Hazy.
	18	19.5	760.50	29.845	66.	29.922	29.821	....	62.8	55.2	.360	69.	75	..	..	..	Hazy.
	19	19.4	760.85	29.859	66.	29.939	29.838	....	61.	53.4	.334	71.7	75	..	..	..	Hazy.
	20	18.6	761.00	29.868	64.7	29.946	29.848	....	56.8	51.8	.341	74.8	75	..	..	..	Hazy.
	21	18.7	760.95	29.867	64.5	29.944	29.848	....	54.	....	....	78.	55	..	..	..	Hazy.
	22	18.9	761.25	29.878	64.2	29.968	29.873	47.7	52.5	49.	.322	79.9	55	..	..	..	Clear.
	23	18.	761.00	29.871	63.8	29.950	29.855	41.	50.	48.	.327	85.	1	..	..	..	Clear.

Observed dew point: 3*h*., 39.°5; 9*h*., 43°.2; 15*h*, 46°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
13	0	17.9	761.15	29.878	63.1	29.960	29.867	40.8	49.	47.3	.321	86.2	55	..	..	..	Clear.
	1	17.7	761.55	29.894	62.5	29.974	29.883	43.8	49.	47.4	.324	89.9	55	..	..	..	Clear.
	2	17.	761.15	29.882	61.7	29.950	29.861	42.	48.5	46.5	.309	88.5	55	..	..	..	Clear.
	3	16.5	760.80	29.872	60.8	29.950	29.863	38.	46.	45.	.303	90.5	55	..	..	..	Clear.
	4	16.2	760.40	29.857	60.2	29.928	29.843	39.	45.7	45.	.306	91.	55	..	..	.2	Ci-s.
	5	19.3	760.65	29.852	62.	29.936	29.846	....	47.	46.	.315	92.	55	..	..	.5	S., Ci-s.
	6	....	.....	*29.852	....	.....	*29.824	....	*51.7	....	*.367	*90.7	260	..	..	..	
	7	20.6	760.15	29.825	65.8	29.886	29.785	....	57.	55.	.420	88.	20	..	..	..	Clear.
	8	21.4	760.20	29.824	67.7	29.900	29.800	....	62.5	58.	.449	82.5	25	..	..	..	Clear.
	9	22.	759.00	29.773	69.2	29.880	29.771	98.	66.4	58.6	.413	73.	0	.2	..	..	Hazy.
	10	23.	758.65	29.755	70.8	29.866	29.752	92.3	69.	60.3	.432	70.3	0	1.3	..	.4	Ci-s., Ci-cu.
	11	....	.....	*29.726	....	.....	*29.722	....	*69.4	....	*.446	*71.4	20	2.4	..	1.0	Ci-s., Ci cu., N.
	12	23.3	756.75	29.678	73.	29.794	29.675	....	70.2	62.	.469	72.5	20	2.2	..	1.0	Ci-s., Ci-cu.
	13	23.7	756.40	29.663	73.2	29.773	29.653	....	71.8	64.	.511	74.	20	1.3	..	1.0	Ci-s., Ci cu.
	14	23.7	755.75	29.638	75.5	29.750	29.630	....	71.6	64.6	.532	76.	20	.8	..	1.0	Ci-s., Ci cu.
	15	24.	755.20	29.613	74.	29.730	29.608	....	71.9	65.1	.544	77.	20	.5	..	.9	Ci-s., Ci-cu., Ci
	16	23.9	755.40	29.621	74.	29.738	29.616	....	70.9	64.5	.537	79.	35	.5	..	1.0	Ci-s., Ci-cu., Ci.
	17	23.7	755.40	29.625	74.	29.738	29.616	....	67.7	63.7	.547	84.	50	.1	..	1.0	Ci-s., N., rain.
	18	23.	755.50	29.632	73.8	29.742	29.620	....	68.	64.5	.568	86.	50	..	..	1.0	Ci-cu., Cu.
	19	23.	755.80	29.644	73.4	29.753	29.634	....	67.5	63.8	.552	88.	50	..	..	1.0	Ci-cu., Cu.
	20	22.	757.75	29.726	72.	29.826	29.710	....	64.5	57.	.390	82.	130	2.0	.03	1.0	Ci-cu., Cu.
	21	23.	759.00	29.774	71.2	29.870	29.756	....	60.5	52.	.334	72.	130	2.0	..	.2	Ci-cu., Cu.
	22	20.7	760.70	29.848	69.5	29.946	29.836	....	55.	47.	.248	69.	135	2.2	..	..	Clear.
	23	19.7	761.40	29.879	67.3	29.970	29.866	....	51.5	44.	.219	70.	160	2.5	..	..	Clear.

* Supplied.

Observed dew point: 3*h*., 44°; 9*h*., 55°.2; 15*h*., 60°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
14	0	18.7	761.40	29.884	65.7	29.970	29.871	....	50.3	43.4	.219	69.	200	1.6	..	..	Clear.
	1	18.5	761.60	29.892	64.2	29.978	29.882	....	49.	42.5	.214	68.	160	1.8	..	..	Clear.
	2	17.6	761.50	29.893	64.	29.970	29.875	....	48.	41.5	.205	69.	155	1.5	..	..	Clear.
	3	20.1	762.50	29.920	65.	30.018	29.920	39.7	46.	40.8	.214	69.	170	.3	..	..	Clear.
	4	20.5	762.90	29.933	66.	30.034	29.933	39.5	44.8	40.	.210	71.	170	..	..	.2	Ci., Ci-s.
	5	21.7	764.00	29.971	68.	30.068	29.962	....	44.	38.8	.195	71.	170	..	..	.2	Ci., Ci s.
	6	22.1	761.40	29.984	69.	30.084	29.975	....	45.5	39.	.181	69.	170	..	..	.2	Ci., Ci-s.
	7	22.3	765.40	30.023	69.9	30.120	30.009	....	47.5	40.	.179	67.	190	..	..	..	Clear.
	8	22.	765.80	30.041	70.	30.138	30.027	....	48.3	40.3	.176	66.	225	2.8	..	..	Clear.
	9	21.5	765.90	30.048	69.5	30.150	30.040	82.5	50.4	42.5	.199	66.	180	.5	..	..	Clear.
	10	21.	765.75	30.013	69.	30 142	30.033	85.	51.5	43.	.198	65.	180	..	..	..	Clear.
	11	20.7	765.50	30.035	68.5	30.136	30.029	89.	53.	44.3	.210	64.	170	..	..	..	Clear.
	12	19.7	764.90	30.017	68.	30.114	30.008	88.	54.6	45.4	.216	64.5	145	..	..	..	Clear.
	13	20.2	764.20	29.986	67.2	30.080	29.977	97.	56.8	46.5	.216	63.	140	..	..	..	Clear.
	14	20.3	763.75	29.968	67.1	30.066	29.963	92.	58.5	48.8	.249	62.5	115	..	..	..	Ci. in *S.*
	15	20.7	763.40	29.952	67.2	30.057	29.954	94.	60.3	50.3	.265	62.	150	..	..	.1	Ci. in *S.*
	16	21.1	763.20	29.942	68.	30.042	29.936	....	62.3	51.8	.279	61.	35	..	..	.1	Ci. in *S.*
	17	21.2	763.15	29.940	68.	30.042	29.936	....	62.9	52.7	.295	62.2	45	..	..	.1	Ci. in *S.*
	18	21.2	763.35	29.948	68.4	30.049	29.942	....	60.3	52.2	.314	65.8	45	..	..	.1	Ci. in *S.*
	19	20.8	763.40	29.951	68.2	30.050	29.944	....	57.	50.	.295	68.2	30	..	..	.1	Ci. in *S.*
	20	20.1	763.45	29.957	68.	30.052	29.946	....	53.	47.5	.281	67.	30	..	..	.1	Ci. in *S.*
	21	19.6	763.50	29.961	66.3	30.100	30.001	....	51.	47.4	.301	81.4	334	..	..	.3	Ci-cu., Ci-s.
	22	18.8	763.50	29.964	65.	30.100	30.002	....	47.6	45.	.285	84.5	336	..	..	.3	Ci-s.
	23	....	.....	*29.794	....	.....	*30.012	....	*45.2	....	*.280	*88.	..	..	..	..	

* Supplied.

Observed dew point: 3*h.*, 30°; 9*h.*, 33°.8; 15*h.*, 37°.4.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
16	0	12.7	759.75	29.847	54.4	29.910	29.841	36.	41.6	39.5	.236	92.5	214	..	..	..	Clear.
	1	13.7	759.85	29.847	54.8	29.912	29 841	34.1	41.4	40.5	.259	91.8	213	..	..	..	Clear.
	2	15.3	760.10	29.849	56.3	29.918	29.843	32.8	39.8	39.4	.254	91.8	213	..	..	..	Clear.
	3	19.	760.70	29.855	60.	29.942	29.857	33.8	40.	39.2	.248	91.2	210	..	..	.1	A few Ci-s.
	4	19.5	761.25	29.874	63.4	20.964	29.870	35.3	40.7	39.8	.253	91.	210	..	..	.4	Ci-s.
	5	19.3	761.65	29.891	64.5	29.976	29.880	....	39.5	39.	.249	91.	210	..	..	1.0	Ci-s.
	6	20.4	762.70	29.928	65.7	30.019	29 915	....	44.5	43.2	.280	89.	50	..	..	.3	Ci-s.
	7	20.5	762.95	29.938	66.	30.025	29.924	....	48.	46.	.303	85.3	50	..	..	..	Clear.
	8	21.	763.35	29.948	68.	30.050	29.941	....	52.7	48.	.295	82.5	50	.1	..	..	Clear.
	9	20.7	763.00	29.936	68.2	30.034	29.928	67.	56.4	53.	.376	84.	30	.5	..	..	Clear.
	10	20.6	763.00	29.936	68.1	30.034	29.928	69.3	58.4	53.4	.363	79.7	40	.7	..	..	Clear.
	11	21.	762.65	29.921	68.5	30.024	29.917	75.	60.6	55.1	.382	78.3	40	1.7	..	..	Clear.
	12	21.3	762.15	29 900	69.4	30.004	29.894	75.5	64.3	57.2	.396	75.	35	1.0	..	..	Clear.
	13	22.	762.05	29.893	70.3	30.000	29.888	76.5	68.6	58.2	.397	70.7	40	1.2	..	..	Clear.
	14	22.4	761.60	29.873	71.	29.982	29 868	77.	69	60 3	.431	70.3	40	1.5	..	..	Clear.
	15	22.4	761.50	29.869	71.	29.976	29.862	76.7	69.5	59.2	.394	68.	45	2.0	..	.1	Cu , Ci.
	16	22.5	761.50	29.869	71.	29.972	29.858	....	70.6	59.6	.393	66.3	50	1.8	..	.2	Light Ci.
	17	23.	761.40	29.863	71.7	29.966	29.851	....	70.6	60.3	.413	68.2	40	.8	..	.1	Light Ci.
	18	23.	761.50	29.867	72.	29.969	29.852	....	69.3	60.5	.433	69.	40	.7	..	.1	Light Ci.
	19	22.8	762.15	29.893	72.	30 002	29.885	....	65.6	60.5	.475	73.	30	.1	..	.1	Light Ci., Ci-s.
	20	22.1	762.75	29.921	71.4	30.024	29.909	....	62.1	57.	.416	78.8	29	..	..	.1	Ci-s., *NW.* Hor.
	21	22.	763.55	29.952	71.2	30.058	29.944	58.8	60.5	55.5	.394	79.5	30	..	..	.1	Ci-s., *NW.* Hor.
	22	21.2	764.05	29.976	71.	30.068	29.954	55.4	59.3	54.8	.378	80.9	33	..	..	..	Clear.
	23	20.9	764.50	29.995	69.2	30.088	29.979	55.	58.2	54.5	.393	82.8	36	..	..	..	Clear.

Observed dew point: 3*h.*, 38.5°; 9*h.*, 48°.8; 15*h.*, 50°.3; 21*h.*, 51°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
17	0	20.5	764.60	30.000	68.1	30.088	29.972	53.2	56.5	53.	.374	83.	36	..	..	1.0	Ci-s.
	1	20.	764.45	29.997	67.3	30.081	29.980	53.	55.9	53.3	.388	84.5	35	..	..	.8	Clear.
	2	19.2	764.45	30.001	66.2	30.088	29.987	52.3	54.5	52.6	.386	90.5	35	..	..	1.0	Clear.
	3	19.	764.40	30.000	65.5	30.086	29.987	....	54.	52.7	.394	90.	35	..	..	.5	Clear.
	4	18.8	765.10	30.027	64.8	30.120	30.025	....	52.	50.5	.363	90.	35	..	..	1.0	Ci-s.
	5	19.8	765.75	30.050	65.	30.134	30.036	....	51.3	50.5	.371	92.	35	..	..	1.0	Ci-s.
	6	23.3	767.00	30.081	69.3	30.176	30.067	....	56.7	55.	.423	89.	35	..	..	..	Ci-s.
	7	24.2	767.15	30.083	71.3	30.190	30.075	....	59.5	57.	.445	86.8	35	..	..	..	Ci-s.
	8	24.5	767.25	30.086	74.	30.200	30.078	....	62.8	59.5	.477	83.	35	..	..	..	Ci-s.
	9	24.7	767.15	30.081	74.5	30.200	30.077	80.1	65.7	61.9	.514	84.	18	..	..	..	Clear.
	10	25.8	767.25	30.079	76.1	30.206	30.079	82.	68.2	62.7	.509	79.8	18	..	..	..	Clear.
	11	26.1	767.25	30.078	77.2	30.206	30.076	84.	71.4	65.	.544	78.6	11	..	..	..	Clear.
	12	26.1	767.00	30.068	78.	30.188	30.055	87.3	75.5	67.5	.580	73.7	5	..	..	.7	Light Ci., Cu.
	13	26.5	766.75	30.058	78.2	30.182	30.049	88.8	76.6	66.6	.474	67.3	15	.2	..	.7	Light Cu.
	14	26.5	766.50	30.048	78.3	30.172	30.038	87.	76.7	64.4	.467	65.	20	2.0	..	.6	Light Cu.
	15	26.3	766.45	30.046	78.2	30.170	30.037	84.	76.6	63.8	.450	64.3	15	2.0	..	.4	Light Cu.
	16	26.3	766.50	30.048	78.	30.175	30.042	83.	75.7	63.7	.456	64.5	0	2.0	..	.2	Light Cu.
	17	26.3	766.70	30.056	78.	30.182	30.049	....	73.2	61.8	.427	64.8	0	1.7	..	.2	Light Cu.
	18	25.9	767.00	30.069	77.3	30.186	30.055	....	67.5	58.7	.402	65.6	0	1.2	..	.2	Light Cu.
	19	25.3	767.10	30.076	77.	30.190	30.060	....	66.8	57.7	.383	66.	0	.5	..	.4	Light Cu.
	20	24.1	767.30	30.089	75.	30.202	30.077	....	61.5	56.5	.364	72.5	0	.5	..	.3	Light Cu.
	21	23.5	767.60	30.104	74.	30.214	30.092	....	60.8	55.4	.388	76.5	..	.1	..	.3	Light Cu.
	22	22.8	767.50	30.104	73.	30.208	30.089	58.2	58.5	54.2	.382	80.7	355	..	..	..	Clear.
	23	22.5	767.40	30.101	72.	30.210	30.093	53.3	57.	53.6	.383	83.	356	..	..	..	Clear.

Observed dew point: 3*h*., 51°; 9*h*., 57°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
18	0	21.7	767.70	30.117	70.9	30.214	30.100	49.5	55.	52.4	.375	86.	356	..	..	.2	Ci-s. and S. at Hor.
	1	21.1	767.70	30.120	69.8	30.212	30.101	47.1	53.	50.7	.356	86.8	356	..	..	..	Clear.
	2	20.5	767.50	30.114	68.5	30.208	30.101	41.	52.	50.	.350	88.2	356	..	..	..	Clear.
	3	20.2	767.55	30.118	67.5	30.210	30.106	45.	51.	49.	.338	88.	356	..	..	.5	S.
	4	19.	767.80	30.134	66.8	30.218	30.115	....	50.8	49.	.341	88.5	356	..	..	1.0	Ci-s.
	5	18.8	768.00	30.142	65.3	30.226	30.127	....	51.	49.	.338	89.	356	..	..	1.0	Ci-s.
	6	18.7	768.15	30.150	64.8	30.235	30.138	....	51.	49.5	.350	89.5	356	..	..	1.0	Ci-s.
	7	19.	768.50	30.161	64.3	30.236	30.159	....	54.5	52.	.372	88.	300	..	..	.8	Ci-cu., Ci-s.
	8	19.2	768.50	30.160	65.	30.256	30.157	....	60.5	57.	.434	83.7	330	..	..	.7	Ci-cu., Ci s.
	9	19.6	768.20	30.146	65.5	30.256	30.140	78.	66.	61.1	.488	80.5	330	..	..	.8	Ci-cu., Ci-s.
	10	20.3	768.05	30.137	67.	30.240	30.132	82.	69.8	63.4	.514	79.	0	..	..	.8	Ci., Cu., Ci-cu.
	11	20.6	767.85	30.128	67.5	30.236	30.119	84.	69.	62.7	.501	78.	10	.2	..	.9	Ci., Cu., Ci-cu.
	12	21.2	767.50	30.111	68.4	30.224	30.104	81.5	69.8	63.1	.505	76.	25	..	..	.9	Ci., Cu., Ci-cu.
	13	21.5	766.85	30.085	69.1	30.212	30.078	82.7	71.5	62.7	.473	73.	55	..	..	.9	Ci., Cu., Ci-cu.
	14	22.	766.50	30.068	70.	30.187	30.067	84.5	71.7	62.1	.453	71.	50	..	..	.9	Ci., Cu., Ci-cu.
	15	22.3	766.35	30.061	70.8	30.178	30.050	....	71.	61.3	.437	70.6	55	.2	..	1.0	Ci., Cu.
	16	23.7	766.20	30.053	71.2	30.164	30.045	....	70.	62.	.469	74.	25	.1	..	1.0	Ci-s., Ci-cu.
	17	22.8	766.00	30.045	71.7	30.160	30.034	....	70.	62.	.469	74.	0	.6	..	.8	Ci-s., Ci-cu.
	18	22.8	765.90	30.011	72.	30.150	30.029	....	67.3	61.2	.476	74.9	4	.3	..	.6	Ci-s., Ci-cu.
	19	22.2	766.15	30.053	71.8	30.146	30.037	....	65.5	59.5	.448	77.3	3	..	..	.7	Ci-s, Ci-cu.
	20	22.1	766.20	30.056	71.	30.156	30.044	....	63.5	58.8	.450	82.	5	..	..	.4	Cu., Ci-cu.
	21	22.	766.30	30.061	70.8	30.158	30.046	....	62.	57.3	.425	84.	6	..	..	..	A few Ci-s.
	22	21.7	766.30	30.062	70.3	30.160	30.050	....	60.	57.3	.447	87.2	6	..	..	.4	A few Ci-s.
	23	21.3	766.25	30.062	69.9	30.156	30.045	....	59.4	56.9	.444	89.	6	..	..	.2	A few Ci-s.

Observed dew point: 21*h.*, 55°.7.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
19	0	21.	766.00	30.053	69.	30.138	30.029	53.	57.4	55.4	.425	89.	6	..	..	.2	Ci-s. at *N.*
	1	20.6	765.50	30.035	68.4	30.128	30.021	52.5	56.5	54.7	.418	91.	8	..	..	.2	Ci-s. at *N.* and *E.*
	2	20.3	765.25	30.027	67.7	30.120	30.016	48.9	55.6	54.7	.428	92.6	8	..	..	.3	Ci-cu., Ci-s.
	3	20.	764.85	30.013	68.	30.100	29.994	....	55.	54.4	.427	93.	10	..	..	.4	Ci-cu., Ci-s.
	4	19.7	765.10	30.024	66.6	30.108	30.006	....	55.5	54.7	.429	93.	10	..	..	.7	Ci-cu., Cu.
	5	19.5	765.00	30.020	66.2	30.106	30.005	....	56.3	55.5	.441	93.	10	..	..	.9	Ci-cu., Cu.
	6	19.4	765.20	30.030	65.8	30.116	30.017	....	59.5	57.7	.465	89.8	10	..	..	.5	Ci-cu.
	7	19.7	765.10	30.024	66.	30.110	30.009	....	62.7	59.4	.475	86.	30	..	..	.2	S. at Hor.
	8	20.5	765.15	30.021	67.	30.110	30.007	....	66.	61.5	.499	83.5	30	.1	..	..	Clear.
	9	20.9	764.75	30.005	68.3	30.108	30.001	78.5	68.8	62.6	.501	79.	40	.7	..	..	Clear.
	10	21.1	764.80	30.006	69.	30.108	29.999	80.	69.8	63.6	.520	78.7	45	1.2	..	..	Clear.
	11	21.6	764.60	29.995	69.6	30.102	29.992	82.	71.4	64.4	.526	77.	45	1.2	..	.1	Ci., Cu. in Hor.
	12	23.	764.50	29.985	70.7	30.090	29.978	83.7	73.4	65.4	.535	75.	75	1.5	..	.8	Ci., Cu., Ci-cu.
	13	23.	763.55	29.947	71.8	30.058	29.941	85.5	75.5	66.5	.547	73.	45	2.1	..	.4	Ci., Cu., Ci-cu.
	14	23.6	763.00	29.922	72.6	30.028	29.910	85.7	76.3	66.6	.542	71.3	50	2.1	..	.3	Ci., Cu.
	15	24.2	762.80	29.912	73.5	30.018	29.898	80.9	76.	66.3	.535	70.2	60	2.3	..	.8	Ci., Cu.
	16	24.5	762.50	29.899	74.2	30.016	29.894	....	75.	66.3	.547	72.2	55	1.5	..	.9	Ci., Cu.
	17	24.7	762.50	29.898	74.8	30.018	29.893	....	76.8	68.	.582	72.5	45	.7	..	.7	Cu., N., thunder.
	18	24.4	763.30	29.930	75.	30.034	29.909	....	73.5	67.3	.597	76.	55	..	..	1.0	Cu., N., thunder.
	19	24.3	763.90	29.954	75.	30.064	29.935	....	67.	65.	.595	92.	180	.5	.04	1.0	Cu., N.
	20	24.	764.80	29.991	74.5	30.100	29.977	....	65.5	63.8	.574	92.	200	..	.01	1.0	Cu., N.
	21	24.	765.20	30.006	74.	30.118	29.996	....	64.4	61.5	.518	89.	225	.2	..	1.0	N., raining.
	22	23.3	765.65	30.028	73.7	30.134	30.014	....	59.5	58.6	.489	93.3	208	.2	.25	1.0	N., raining.
	23	22.8	765.45	30.023	72.9	30.128	30.009	....	58.4	56.9	.455	92.	209	.3	.08	1.0	N., raining.

Observed dew point: 9*h.*, 60°; 15*h.*, 57°.5; 21*h.*, 56°.1.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
20	0	22.5	765.80	30.038	71.7	30.138	30.023	....	58.	55.8	.430	90.	245	.6	.07	1.0	N., raining.
	1	20.8	766.00	30.054	70.	30.132	30.021	....	54.6	52.8	.391	90.8	245	2.7	.05	1.0	N., raining.
	2	19.7	766.00	30.060	67.7	30.134	30.030	....	52.	50.2	.356	92.2	245	2.3	.25	1.0	N., raining.
	3	18.7	765.80	30.057	66.2	30.128	30.027	....	50.8	49.2	.345	90.8	245	2.0	.05	1.0	N., raining.
	4	17.8	765.60	30.053	64.6	30.130	30.034	....	49.5	48.2	.336	91.	230	4.0	.13	1.0	N., raining,
	5	17.	766.00	30.073	62.9	30.150	30.057	....	48.	46.8	.320	91.2	242	2.8	.03	1.0	N , raining.
	6	16.1	766.40	30.093	61.3	30.168	30.080	....	46.1	45.1	.305	92.	250	2.8	.13	1.0	N., raining.
	7	15.2	767.20	30.128	59.8	30.188	30.104	....	45.4	44.6	.301	92.4	240	2.7	.09	1.0	N., raining.
	8	14.5	767.20	30.132	58.1	30.196	30.117	....	44.8	44.2	.299	92.	240	3.0	.21	1.0	N., raining.
	9	13.7	767.10	30.132	57.	30.192	30.116	....	44.3	43.2	.283	91.3	250	3.1	.13	1.0	N., raining.
	10	13.	767.20	30.139	55.8	30.204	30.131	....	44.	43.	.282	92.	250	7.3	.08	1.0	N., raining.
	11	12.4	767.65	30.160	54.5	30.220	30.151	....	43.6	42.5	.276	91.	250	4.2	.01	1.0	N., raining.
	12	12.3	768.10	30.179	53.7	30.234	30.167	....	43.3	42.3	.275	91.5	225	3.8	.02	1.0	N., raining.
	13	12.	768.30	30.188	53.	30.244	30.178	....	42.2	41.2	.265	91.7	215	2.6	.02	1.0	N., raining.
	14	11.4	768.50	30.199	52.2	30.256	30.192	....	42.5	41.2	.261	90.5	220	3.7	.01	1.0	N., raining.
	15	11.3	768.55	30.201	52.	30.256	30.193	....	43.	42.	.272	92.	220	2.0	.01	1.0	N., raining.
	16	11.1	768.40	30.196	51.7	30.250	30.189	....	43.6	41.8	.261	89.	240	1.8	.01	1.0	N., raining.
	17	11.3	768.40	30.194	51.4	30.250	30.189	....	43.5	42.	.266	89.9	240	3.9	..	1.0	N.
	18	11.4	768.75	30.203	51.	30.264	30.203	....	43.5	42.	.266	90.	210	1.0	..	1.0	N.
	19	11.7	768.80	30.208	51.5	30.267	30.205	....	43.3	41.4	.256	87.	255	1.2	..	1.0	N.
	20	12.3	769.30	30.224	51.6	30.276	30.214	....	43.5	41.3	.252	89.	230	.3	..	1.0	N.
	21	16.	769.90	30.232	55.5	30.300	30.227	....	44.2	42.5	.269	89.2	210	.2	..	1.0	N.
	22	17.7	769.85	30.218	59.1	30.304	30.221	....	44.5	42.4	.263	88.	210	.1	..	1.0	N., Ci-s.
	23	19.3	770.15	30.224	62.3	30.308	30.217	....	44.6	42.2	.258	86.8	235	.3	..	1.0	N., Ci-s.

Observed dew point: 3*h.*, 46°.5; 9*h.*, 42°.3; 15*h.*, 46°.7; 21*h.*, 38°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
21	0	20.2	770.15	30.218	65.	30.310	30.210	....	44.6	42.7	.268	87.	218	.3	..	1.0	N., Ci-s.
	1	20.8	769.95	30.209	65.8	30.300	30.198	....	44.7	43.	.273	87.2	212	..	..	1.0	N., Ci-s.
	2	20.2	769.75	30.203	65.2	30.294	30.194	....	44.9	42.8	.267	87.7	232	..	..	1.0	N., Ci-s.
	3	20.2	769.65	30.199	66.5	30.288	30.185	....	44.7	42.6	.265	87.	205	..	..	1.0	N., Ci-s.
	4	20.6	769.65	30.198	67.	30.284	30.179	....	44 3	42.3	.263	87.	198	..	..	1.0	N., Ci-s.
	5	20.4	769.95	30.211	67.	30.300	30.195	....	44.	41.7	.254	87.	200	..	..	1.0	N., Ci-s.
	6	20.3	770.15	30.218	66.8	30.326	30.221	....	44.	41.8	.256	85.5	200	.1	..	1.0	N., Cu.
	7	21.4	770.40	30.223	....	.....	*30.220	....	45.2	43.8	.286	83.	250	.1	..	1.0	Cu.
	8	22.8	770.75	30.230	69.5	30.332	30.221	....	47.2	45.4	.299	82.	250	.2	..	.8	Cu.
	9	22.	770.60	30.228	71.	30.332	30.216	....	49.	45.2	.274	81.	250	.6	..	.9	Ci., Cu.
	10	23.	770.40	30.215	71.3	30.326	30 209	....	50.6	46.5	.284	80.	250	.2	..	1.0	Ci., Cu.
	11	23.	770.40	30.215	72.	30.326	30.207	....	53.2	48.5	.301	78.	265	.1	..	1.0	Ci., Cu.
	12	22.8	770.00	30.200	71.8	30.308	30.189	....	54.7	49.6	.310	77.	240	..	..	1.0	Ci., Cu.
	13	22.7	769.30	30.173	71.5	30.284	30.167	....	57.6	51.7	.329	74.7	270	..	..	1.0	Ci., Cu.
	14	22.5	768.50	30.143	71.2	30.250	30.134	....	59.8	52.3	.319	69.7	240	..	..	.9	Ci., Cu.
	15	22.2	768.00	30.125	72.	30.233	30.114	....	60.	50.5	.272	64.	260	..	..	.9	Ci-cu.
	16	22.2	767.70	30.113	70.7	30.222	30.107	....	60.7	51.5	.288	62.	275	..	..	.9	Ci-cu.
	17	21.1	767.10	30.089	70.4	30.192	30.078	....	59.3	51.	.291	61.	260	..	..	.8	Ci-cu.
	18	21.5	766.75	30.082	70.	30.180	30.069	....	58.2	49.7	.273	61.	262	..	..	.4	Cu., Ci., Ci-cu.
	19	21.2	766.60	30.077	69.5	30.178	30.068	....	57.5	50.	.288	61.	260	..	..	.1	Ci-cu.
	20	20.2	766.40	30.073	68.	30.168	30.062	....	53.8	49.5	.318	75.	260	..	..	.1	Ci-cu.
	21	20.	766.80	30.090	67.	30.174	30.071	....	51.	48.4	.324	83.	280	..	..	.1	Ci-cu.
	22	19.	766.40	30.078	65.5	30.160	30.061	....	49.5	47.6	.323	89.2	280	..	..	.2	Ci-cu.
	23	....	.....	*30.068	....	.....	*30.051	....	*49.	....	*.320	*90.	..	..	..	..	

*Supplied.

Observed dew point: 3*h*., 42°; 9*h*., 43°.4; 15*h*., 42°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
23	0	16.4	756.90	29.718	60.7	29.784	29.698	....	58.9	58.4	.490	92.6	38	..	.05	1.0	N., raining.
	1	17.3	756.70	29.705	61.6	29.784	29.696	....	58.7	58.2	.487	92.5	98	..	.06	1.0	N., raining.
	2	20.	756.65	29.690	64.	29.782	29.687	....	58.9	58.2	.485	92.4	98	..	..	.9	N., Cu.
	3	21.8	756.50	29.676	67.6	29.776	29.672	....	57.5	57.	.467	92.5	198	..	..	.6	Cu., Ci-cu.
	4	22.8	756.90	29.787	69.7	29.793	29.682	....	57.2	56.7	.463	92.5	98	..	..	.5	Ci-cu.
	5	24.2	757.30	29 696	71.8	29.808	29.691	....	59.	58.2	.484	92.	132	..	..	.6	Cu., Ci-cu.
	6	25.5	758.20	29.725	74.3	29.836	29.714	69.8	61.9	59.2	.479	90.3	127	..	..	.3	Ci-cu.
	7	27.2	758.65	29.734	77.	29.862	29.732	75.3	63.9	59.3	.460	81.	138	..	..	.2	S , Ci-s., Ci-cu.
	8	26.8	759.00	29.750	78.2	29.872	29.739	76.8	65.3	59.3	.444	78.	125	.5	..	.3	Cu., Ci-s.
	9	26.	759.10	29.757	78.	29.877	29.744	76.	66.3	58.6	.414	73.5	135	1.1	..	.4	Cu.
	10	26.	759.30	29.765	77.7	29.888	29.756	76.3	67.1	58.2	.395	70.	135	2.0	..	.3	Cu.
	11	24.3	759.30	29.774	76.	29.888	29.761	74.	67.7	59.6	.427	69.	110	1.7	..	.8	Cu.
	12	24.3	759.60	29.785	75.	29.900	29.775	78.	67.3	58.6	.403	69.5	125	1.7	..	.7	Cu.
	13	23.7	759.55	29.787	74.2	29.900	29.778	79.	68.2	58.8	.399	68.5	135	2.0	..	.8	Cu.
	14	23.9	759.75	29.793	74.	29.904	29.782	76.5	67.7	58.4	.393	68.3	145	1.2	..	.8	Cu.
	15	23.8	759.70	29.791	73.8	29.904	29.782	77.	69.1	59.7	.414	68.5	135	.3	..	.7	Cu.
	16	23.9	760.05	29.805	73.8	29.918	29.796	77.3	69.5	60.	.418	67.7	140	.2	..	.8	Cu.
	17	23.9	760.25	29.813	73.5	29.928	29.807	....	69.	60.	.424	68.	145	.1	..	.7	Cu.
	18	23.6	761.25	28.854	73.5	29.979	29.858	....	65.	58.	.411	71.	180	.1	..	.3	Cu.
	19	23.3	761.95	29.883	73.3	29.997	29.876	....	63.9	57.3	.404	72.	180	..	..	.1	Cu.
	20	22.7	762.55	29.909	72.2	30.013	29.896	....	60.	55.5	.400	76.	185	..	..	..	Ci-s. at Hor.
	21	22.2	762.75	29.919	71.3	30.018	29.903	....	59.	54.8	.392	77.	180	..	..	.3	Ci.
	22	20.	762.85	29.934	67.8	30.024	29.918	....	55.2	52.8	.384	85.8	185	..	..	.3	Ci., Ci-s.
	23	20.6	763.15	29.942	68.4	30.034	29.927	....	54.4	52.2	.377	87.4	185	..	..	.3	Ci.

Observed dew point: 3*h.*, 55°.5; 9*h.*, 53°; 15*h.*, 52°.8; 21*h.*, 48°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
24	0	20.	763.25	29.949	67.7	30.034	29.930	....	54.4	51.5	.360	85.5	185	..	..	.4	Ci., Ci-s.
	1	19.8	763.05	29.943	66.8	30.030	29.927	....	54.	51.5	.365	86.5	185	..	..	.3	Ci., Ci-s.
	2	19.5	763.00	29.942	66.1	30.022	29.921	....	53.5	50.9	.355	90.	258	..	..	.4	Ci., Ci s.
	3	18.8	762.80	29.937	65.1	30.022	29.924	....	52.5	51.3	.380	93.	260	..	..	.7	Ci., Ci-s.
	4	17.8	762.70	29.939	64.4	30.020	29.924	....	53.5	53.3	.416	93.	262	..	..	1.0	S., foggy.
	5	18.	763.05	29.951	63.8	30.036	29.941	....	55.3	54.9	.436	93.	286	..	..	1.0	S., slight fog.
	6	21.	763.70	29.962	65.8	30.064	29.963	....	55.3	54.4	.424	91.8	295	..	..	1.0	S., Ci-s.
	7	25.5	764.10	29.956	71.1	30.072	29.958	....	58.2	55.9	.430	89.	295	..	..	.7	Ci., Ci-s., Ci-cu.
	8	26.7	764.30	29.958	76.	30.082	29.955	....	62.1	57.8	.437	81.	295	..	..	.5	Ci-s.
	9	26.2	764.00	29.949	77.7	30.072	29.939	73.8?	67.1	61.7	.491	78.	298	..	..	.7	Ci., Ci-cu.
	10	26.	763.80	29.942	77.6	30.056	29.924	81.	68.	62.8	.515	78.	324	..	..	1.0	Ci., Ci-cu., Cu.
	11	26.7	763.50	29.927	78.	30.040	29.907	80.7	70.4	64.	.524	76.4	314	.2	..	1.0	Ci., Ci-cu., Cu.
	12	26.	762.55	29.893	78.	30.018	29.885	79.5	70.	63.	.500	75.	310	.1	..	1.0	Cu., Ci-cu., Ci-s.
	13	25.6	762.45	29.891	77.4	30.011	29.880	....	67.5	61.2	.473	76.	290	.6	..	1.0	Cu., Ci-s., N.
	14	25.	761.40	29.853	76.6	29.970	29.842	....	66.2	60.5	.468	79.	300	.8	..	1.0	Cu., Ci-s., N.
	15	24.5	761.10	29.844	76.	29.960	29.833	....	64.3	59.	.447	74.3	300	1.0	..	1.0	Ci-cu., N., showery.
	16	23.7	760.75	29.834	75.	29.944	29.819	....	62.3	58.3	.449	83.5	295	.9	..	1.0	Ci-cu., N., showery.
	17	23.	760.50	29.828	73.3	29 936	29.816	....	59.9	57.5	.454	89.	300	.2	.01	1.0	N., raining.
	18	22.2	760.75	29.841	72.3	29.944	29.826	....	58.5	57.	.456	89.5	315	.1	.04	1.0	N., raining.
	19	22.	760.40	29.829	71.8	29.930	29.813	....	58.	56.5	.448	89.8	300	..	.12	1.0	N., raining.
	20	21.3	760.10	29.820	70.	29.926	29.815	....	56.8	56.	.448	94.5	300	..	.10	1.0	N., raining.
	21	21.	760.15	29.823	69.3	29.930	29.820	....	57.5	56.6	.456	93.	285	..	..	1 0	N., raining.
	22	20.6	760.00	29.819	68.5	29.922	29.815	....	56.5	55.5	.438	94.8	265	..	.02	1.0	N., raining.
	23	20.3	759.90	29.817	67.9	29.916	29.810	....	56.	55.4	.441	94.8	238	..	.01	1.0	N., raining.

Observed dew point: 3*h*, 48°.3; 9*h*, 59°; 15*h*., 55°.8.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
25	0	20.7	759.60	29.803	67.2	29.890	29.787	....	56.	55.3	.439	93.5	235	..	..	1.0	N.
	1	20.5	759.00	29.779	66.8	29.870	29.767	....	55.5	54.7	.429	93.5	225	..	..	1.0	N.
	2	23.5	759.30	29.777	69.3	29.880	29.770	....	55.5	54.7	.429	93.5	220	..	..	1.0	N.
	3	24.8	759.50	29.780	73.4	29.884	29.764	....	55.5	54.6	.427	93.5	195	..	..	1.0	N.
	4	24.3	759.60	29.785	73.8	29.890	29.768	....	55.3	54.5	.426	93.2	195	..	..	1.0	N.
	5	23.7	759.75	29.795	73.5	29.900	29.780	....	55.	54.	.417	93.	160	..	..	1.0	N.
	6	24.	760.50	29.822	73.	29.928	29.808	....	56.2	55.2	.434	91.3	160	..	..	.6	Cu.
	7	24.3	761.25	29.850	73.8	29.962	29.840	....	57.5	56.	.441	80.5	165	..	..	.4	Ci-cu.
	8	24.	761.75	29.871	73.8	29.976	29.854	....	58.3	56.3	.439	76.	170	..	..	.6	Ci-cu.
	9	23.3	761.85	29.879	73.	29.984	29.865	73.	59.6	52.5	.327	71.	190	.7	..	.6	Ci.
	10	23.2	761.90	29.881	72.8	29.988	29.869	73.	60.5	53.	.330	69.7	200	.8	..	.7	Ci., Cu.
	11	23.3	761.65	29.871	72.7	29.978	29.860	74.	62.4	53.4	.318	67.	140	.1	..	.6	Ci., Cu.
	12	23.1	761.70	29.874	72.7	29.978	29.860	74.	63.2	54.5	.338	65.	140	.3	..	.5	Ci., Cu.
	13	23.5	761.50	29.865	72.8	29.966	29.848	76.8	64.8	55.6	.348	66.2	125	..	..	.6	Ci., Cu.
	14	24.	761.00	29.842	73.2	29.946	29.827	76.7	66.8	57.	.363	63.	125	.1	..	.4	Ci., Cu.
	15	24.2	760.70	29.830	73.5	29.934	29.814	76.2	67.4	56.	.338	62.	120	.2	..	.2	Ci., Cu.
	16	24.7	760.20	29.808	74.1	29.924	29.802	75.7	68.5	56.7	.337	60.	125	.2	..	.4	Ci.
	17	24.5	760.30	29.813	74.3	29.926	29.803	....	68.	56.4	.334	58.	130	.1	..	.1	Slight Ci.
	18	23.5	760.30	29.817	73.8	29.926	29.804	....	67.5	58.5	.397	64.	90	..	..	.2	Ci., Cu.
	19	22.	760.40	29.829	72.7	29.920	29.812	....	65.	58.	.411	66.8	90	..	..	.1	Ci-s.
	20	22.	760.45	29.831	70.	29.932	29.821	....	60.5	56.	.408	70.1	85	..	..	..	Clear.
	21	22.	761.00	29.852	70.	29.950	29.839	48.	57.3	52.2	.345	76.2	55	..	..	..	Clear.
	22	23.6	761.80	29.876	70.9	29.980	29.866	51.	57.	54.1	.396	84.5	75	..	..	..	Clear.
	23	25.2	762.35	29.887	73.6	29.996	29.876	50.	56.	53.6	.395	84.2	75	..	..	..	Clear.

Observed dew point: 3*h.*, 53°.5; 9*h.*, 47°.8; 21*h.*, 47°.4.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
26	0	26.2	762.70	29.899	75.7	30.014	20.888	47.	55.4	53.	.387	84.9	75	..	..	..	Clear.
	1	27.1	762.85	29.899	78.	30.020	29.887	....	54.4	52.9	.375	87.7	75	..	..	.4	Ci.
	2	27.1	762.60	29.889	78.6	30.008	29.874	....	53.5	51.2	.363	88.5	72	..	..	.8	Cu., Ci-cu.
	3	26.4	762.55	29.892	78.5	30.010	29.876	....	51.3	49.	.338	88.5	70	..	..	.5	Ci.
	4	25.	762.50	29.896	76.8	30.010	29 882	....	49.5	48 5	.344	90.	70	..	..	.9	Ci.
	5	24.5	762.75	29.908	76.	30.016	29.889	....	49.5	48.3	.344	91.	70	..	..	1.0	Ci-s.
	6	22.7	763.00	29.926	72.	30.026	29.909	....	53.4	52.	.385	89.	70	..	..	1.5	Ci-s.
	7	25.3	763.50	29.934	74.2	30.038	29.916	....	58.3	54.	.380	78.5	70	..	..	.4	Ci-s.
	8	23.5	763.50	29.942	75.8	30.044	29 917	....	63.3	56.	.375	75.	70	..	..	.5	Ci-s., Ci.
	9	25.2	763.85	29.948	75.7	30.068	29.942	81.3	66.	59.6	.444	73.5	30	..	..	.2	Ci-cu., Ci.
	10	25.7	764.05	29.954	76.7	30.072	29.944	81.5	68.	60.5	.448	72.3	30	..	..	.8	Ci-cu., Ci.
	11	25.9	763.95	29.949	77.	30.070	29.910	84.	69.7	60.7	.435	69.	35	..	..	.7	Ci cu., Ci.
	12	26.	763.75	29.940	77.4	30.058	29.927	85.5	71.8	61.2	.425	66.	0	..	..	.9	Ci-cu., Ci.
	13	26.	763.30	29.922	77.7	30.040	29.908	86.	72.1	60.	.387	61.5	140	..	..	1.0	Ci-cu., Ci., Cu.
	14	26.1	763.00	29.910	77.8	30.030	29.898	82.5	72.	60.4	.400	63.	90	..	..	1.0	Ci-cu., Ci., Cu.
	15	26.3	762 70	29.898	78.	30.030	29.897	85.	72.2	61.4	.427	62.	65	..	..	1.0	Ci-cu., Cu.
	16	26.	762.40	29.887	78.	30.018	29.885	....	70.5	60.9	.431	66.	25	..	..	1.0	Ci cu., Cu.
	17	26.	762.10	29.875	77.5	30.000	29.869	....	71.1	62.	.457	65.3	25	..	..	1.0	Ci cu., Cu.
	18	25.7	762.10	29.877	77.2	30.000	29.870	....	69.	61.4	.463	70.	27	..	..	1.0	Ci-cu., Cu.
	19	24.2	762.10	29.884	76.2	30.000	29.873	....	68.	62.	.492	73.2	28	..	..	1.0	Ci-cu., Cu.
	20	24.7	762 35	29.892	75.3	29.988	29.862	....	65.	60.5	.467	79.	350	..	..	1.0	Ci-cu., Cu.
	21	24.1	762.40	29.894	75.	30.010	29.885	....	63.5	59.3	.464	81.2	355	..	..	1.0	Ci cu., Cu.
	22	23.8	762.40	29.897	74.2	30.006	29.884	....	63.	58.7	.452	81.3	351	..	..	1.0	Ci-cu., N., Cu.
	23	23.2	763.50	29.904	73.3	30.016	29.896	....	60.6	57.6	.449	83.8	22	..	..	1.0	N., raining.

Observed dew point: 3*h.*, 48°.5; 9*h.*, 56°.3; 15*h.*, 51°; 21*h.*, 56°.3.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
27	0	22.4	762.30	29.900	72.6	29.994	29.876	....	58.1	56.	.434	89.2	10	..	.05	1.0	N., raining.
	1	22.	762.10	29.895	71.3	29.990	29.875	....	57.	55.6	.435	89.8	11	..	.18	1.0	N., raining.
	2	21.6	761.70	29.881	70.7	29.972	29.860	....	57.	56.	.447	91.4	348	..	.15	1.0	N., raining.
	3	21.5	760.80	29.848	69.8	29.990	29.879	....	56.5	55.5	.439	91.5	335	..	.15	1.0	N., raining.
	4	21.	760.35	29.831	69.	29.926	29.817	....	56.5	55.5	.439	91.3	310	..	.03	1.0	N., raining.
	5	20.3	760.00	29.821	68.5	29.918	29.811	....	57.	56.	.447	91.3	300	..	..	1.0	N., raining.
	6	20.	759.85	29.816	67.5	29.912	29.808	....	58.5	57.2	.461	91.4	300	..	..	1.0	N., raining.
	7	20.7	760.00	29.822	67.2	29.918	29.815	....	58.7	57.4	.465	92.	305	..	..	1.0	N., drizzling.
	8	20.2	760.10	29.826	67.	29.918	29.815	....	59.3	58.5	.489	92.	305	..	..	1.0	N., drizzling.
	9	20.	759.90	29.818	67.	29.912	29.809	....	60.	59.	.495	91.7	305	..	..	1.0	N., drizzling.
	10	20.	759.60	29.806	66.9	29.904	29.801	....	61.5	60.5	.521	91.9	300	..	.06	1.0	N., S., rain.
	11	20.	759.00	29.782	66.8	29.870	29.767	....	64.3	63.2	.570	91.8	303	..	.02	1.0	N., S., rain.
	12	20.	758.65	29.769	67.	29.860	29.757	....	65.	63.	.556	90.5	10	..	..	1.0	N., S.
	13	20.2	758.00	29.742	67.2	29.840	29.737	....	65.	62.5	.541	90.	40	.2	..	1.0	N.
	14	20.5	758.20	29.749	67.7	29.842	29.738	....	67.6	64.9	.585	88.	60	.2	..	.6	N., Cu.
	15	21.1	757.90	29.735	68.5	20.834	29.727	....	71.5	67.4	.623	84.5	30	.2	..	.7	Ci-cu., scud.
	16	21.9	757.75	29.725	69.4	29.822	29.712	....	72.5	67.5	.615	82.	55	.3	..	.9	Ci., Cu., Ci cu.
	17	22.2	757.75	29.733	70.2	29.822	29.711	....	73.	68.8	.649	81.7	45	..	..	.9	Cu., Ci cu., N.
	18	22.8	758.00	29.730	71.1	29.830	29.716	....	71.5	67.5	.626	84.	64	..	..	1.0	Cu., Ci cu.
	19	22.9	758.20	29.738	71.6	29.848	29.733	....	70.5	66.8	.614	85.9	66	..	..	1.0	Cu., N.
	20	22.8	758.50	29.750	71.7	29.853	29.738	....	66.5	64.5	.585	90.2	75	..	..	..	Cu., N.
	21	22.8	759.00	29.769	71.7	29.866	29.751	....	64.5	63.	.562	91.	75	..	..	..	Hazy.
	22	22.2	759.40	29.787	71.4	29.880	29.765	....	64.	62.6	.555	91.	75	..	..	..	Clear.
	23	22.	759.65	29.799	71.	29.892	29.778	....	62.6	61.2	.529	91.	74	..	..	..	Clear.

Observed dew point: 9*h*., 58°.2; 15*h*., 64°.6; 21*h*., 62°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
28	0	21.8	759.75	29.804	70.7	29.890	29.778	....	61.2	60.1	.513	92.1	74	..	..	..	Clear.
	1	21 6	759.80	29.806	70.	29.898	29.787	57.8	62.6	61.	.523	90.	126	..	..	..	Clear.
	2	21.3	759.70	29.804	69.5	29.896	29.786	56.2	61.	59.2	.489	90.8	126	..	..	..	Clear.
	3	21.3	759.85	29.810	69.	29.906	29.797	....	59.6	58.	.471	90.	135	..	..	.8	Ci-cu., N.
	4	21.7	760.35	29.828	68.5	29.924	29.817	....	58.5	57.2	.461	90.	135	..	..	.8	Ci-cu., Ci-s.
	5	21.2	761.15	29.862	68.3	29.954	29.847	....	58.	56.5	.448	90.5	135	..	..	.3	Cu., Ci-cu.
	6	20.	761.40	29.877	68.5	29.974	29.867	....	60.7	58.	.458	86.	135	..	..	.2	Clear.
	7	22.	761.85	29.886	69.8	29.982	29.871	....	60.5	60.	.483	80.5	135	..	.	..	Clear.
	8	22.7	762.30	29.899	71.	29.990	29.876	....	65.	60.	.466	77.	135	..	..	..	Clear.
	9	23.4	762.30	29.896	72.6	30.006	29.888	78.5	66.8	59.3	.427	72.5	145	..	..	..	Small Cu.
	10	24.	762.25	29.891	73.3	30.000	29.880	81.	67.7	60.2	.443	72.	140	..	..	..	Cu.
	11	24.2	762.00	29.880	74.	29 984	29.862	84.	69.	59.5	.409	68.	130	..	..	.1	Cu.
	12	23.3	761.75	29.875	74.	29.980	29.858	80.3	69.7	60.4	.426	67.	150	.	..	.2	Cu.
	13	23.8	761.40	29.858	73.8	29.964	29.842	83.8	71.6	61.1	.425	66.	130	..	..	.3	Cu.
	14	24.7	761.25	29.849	74.5	29 962	29.839	86.2	72.5	62.5	.456	66.3	100	..	..	.3	Cu.
	15	25.1	761.05	29.839	75.1	29.952	29.827	88.8	74.5	63.5	.465	64.5	60	..	..	.3	Cu.
	16	25.2	760.80	29.830	76.	29.940	29.813	87.5	74.7	63.7	.468	64.5	70	..	..	.2	Cu.
	17	25.7	760.80	29.827	76.7	29.940	29.812	....	74.2	65.	.514	65.	80	..	..	..	Cu.
	18	26.	760.80	29.825	76.8	29.940	29.811	....	73.2	64.3	.503	68.	60	..	..	..	Hazy at Hor.
	19	26.	760.80	29.825	77.	29.940	29.810	....	71.4	64.3	.523	72.	60	..	..	..	Ci-s. at Hor.
	20	25.7	760.80	29.830	76.5	29.940	29.812	....	65.2	61.4	.505	79.	60	..	..	..	Ci-s. at Hor.
	21	24.3	761.50	29.860	75.5	29.960	29.834	....	63.1	60.1	.491	86.8	36	..	..	..	Clear.
	22	23.8	761.40	29.858	74.6	29.958	29.835	....	61.3	58.9	.477	88.	36	..	..	..	Clear.
	23	....	.....	*29.856	....	.....	*29.836	....	*60.5	....	*.460	*90.	..	..	..	..	

* Supplied.

Observed dew point: 3*h*., 58°.2; 9*h*., 52°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
30	0	22.7	752.55	29.516	72.	29.616	29.499	....	65.	64.2	.592	92.	246	..	..	1.0	N., rain.
	1	22.5	752.35	29.509	71.9	29.612	29.495	....	64.6	64.	.590	91.8	240	..	..	1.0	N., Cu.
	2	22.3	752.10	29.500	71.3	29.600	29.488	....	64.4	63.7	.583	92.	240	..	..	1.0	N.
	3	22 2	750.25	29.429	71.	26.570	29.458	....	63.4	62.6	.561	92.	240	..	..	1.0	N.
	4	22.	750.05	29.423	70.8	29.566	29.454	....	63.3	62.7	.565	92.	240	..	..	1.0	N.
	5	21.9	750.70	29.449	70.6	29.558	29.448	....	63.4	63.	.574	92.	240	..	..	1.0	N.
	6	21.7	751.00	29.461	70.3	29.560	29.451	....	63.5	62.	.573	92.	240	..	.02	1.0	N., raining hard.
	7	21.5	751.00	29.463	69.8	29.564	29.455	....	64.3	63.	.564	91.8	240	..	.01	1.0	N , raining.
	8	22.4	751.30	29.469	70.7	29.570	29.460	....	65.	62.5	.572	91.8	240	..	..	1.0	N., raining.
	9	23.9	751 10	29.452	72.	29.564	29.449	....	69.3	67.5	.650	90.	130	..	..	1.0	N., Ci-cu.
	10	24.2	751.60	29.473	74.	29.580	29.460	....	70.	67.	.626	88.5	150	..	..	.9	Cu., Ci-cu., N.
	11	25.	751.30	29.457	75.	29.570	29.448	....	69.9	66.3	.604	87.3	150	..	.07	.9	Cu., Ci cu., N., rain.
	12	25.7	750.60	29.428	76.2	29.540	29.415	91.3	74.3	69.5	.662	82.5	285	..	..	.7	Cu., Ci., Cu-s., N.
	13	25.4	751.00	29.444	76.5	29.570	29.430	....	65.	64.1	.589	93.	25	.7	.27	.6	Cu., Ci., Cu s., N.
	14	25.7	750.75	29.431	76.5	29.550	29.424	....	72.5	68.5	.648	86.	30	..	..	.9	Cu., Cu-s. N.
	15	25.5	751.00	29.444	76.5	29.558	29.432	....	74.4	62.7	.443	65.	130	1.5	..	.5	Cu., Cu-s.
	16	25.9	751.60	29.466	76.5	29.582	29.456	....	73.6	60.6	.391	62.	120	2.0	..	.8	Cu., Ci., Cu-s.
	17	25.9	752.05	29.481	76.7	29.606	29.480	....	73.	62.5	.452	63.	158	1.7	..	.1	Cu.
	18	25.1	753.00	29.524	76.1	29.638	29.513	....	70.5	62.9	.482	71.	175	..	..	.2	Cu.
	19	24.	753.10	29.530	75.7	29.641	29.517	....	66.5	60.	.451	74.1	190	..	..	.2	Cu.
	20	24.3	754.00	29.565	74.7	29.680	29.559	....	64.5	59.4	.455	76.	190	..	..	1.0	Cu., N.
	21	24.1	755.00	29.605	74.3	29.710	29.587	....	60.9	55.9	.401	78.	210	..	..	1.0	Cu,. N.
	22	23.7	755.55	29.630	73.8	29.728	29.606	....	59.7	55.	.389	79.8	208	..	..	.9	Cu., Ci s.
	23	23.2	755.80	29.641	73.	29.748	29.630	....	57.7	53.4	.371	79.6	208	..	..	.3	Ci s.

Observed dew point: 3*h.*, 60°.5; 9*h.*, 67°; 15*h.*, 55°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
31	0	22.7	756.00	29.651	72.1	29.750	29.633	....	55.3	52.	.363	84.	208	..	..	.8	Cu., Ci cu., Ci-s.
	1	21.9	756.20	29.663	70.9	29.762	29.648	....	55.4	52.	.362	84.	208	..	..	1.0	Cu., Ci cu., Ci-s.
	2	21 3	756.50	29.678	69.7	29.780	29.670	....	55.1	51.	.340	80.9	208	..	..	.8	Cu., Ci cu., Ci-s.
	3	20.9	756.45	29.678	68.8	29 774	29.665	....	53.7	50.1	.335	81.	208	..	..	.3	Cu., Ci-cu., Ci s.
	4	20.2	756.75	29.693	68.	29.780	29.676	....	51.6	48.	.309	82.	170	..	..	.2	Ci-s.
	5	19.3	756.90	29.704	66.6	29.800	29.698	....	50.2	47.5	.314	86.	170	..	..	..	Clear.
	6	20.	757.85	29.738	65.9	29.812	29.711	....	53.	49.	.316	82.5	143	..	..	..	Clear.
	7	19.7	758 25	29.755	66.	29.840	29.739	....	55.	49.5	.305	78.	155	..	..	.8	Cu., Ci., Cu.
	8	19.7	758.85	29.779	66.	29.870	29.769	....	57.	50.	.295	74.8	120	..	..	.9	Ci cu., Ci-s.
	9	19.8	759.15	29 790	66.	29.871	29.770	....	59.1	52.	.320	73.1	140	..	..	.1	Cu.
	10	19.7	759.00	29.784	66.	29.864	29.763	....	59.8	51.6	.302	69.2	160	.5	..	.3	Cu.
	11	19.9	759.05	29.784	66.1	29.880	29.779	....	62.	51.5	.275	66.	135	.6	..	.8	Cu.
	12	20.	758.90	29.779	66.2	29.872	29.771	....	62 5	52.1	.284	63.3	140	.4	..	.3	Cu.
	13	20.1	758.65	29.769	66.5	29.864	28.762	74.5	64.1	53.5	.302	63.5	100	.5	..	.4	Cu.
	14	20.2	758.65	29.768	67.	29.862	29.759	77.	64.2	51.8	.258	60.5	160	.3	..	.4	Cu.
	15	20.9	758.50	29.759	67.2	29.860	29.757	74.	65.6	52.7	.264	60.	145	.2	..	.3	Cu.
	16	21.2	758.70	29.766	68.	29.860	29.754	74.7	67.	54.6	.298	59.	150	.1	..	.2	Cu.
	17	22.	759.10	29.777	69.	29.880	29.771	....	67.5	54.8	.297	57.9	142	..	..	.1	Cu.
	18	22.	759.55	29.795	69.7	29 890	29.788	....	67.2	55.9	.328	58.8	140	..	..	..	Clear.
	19	22.	759.80	29.805	69.5	29.903	29.793	....	65.4	59.	.434	65.4	140	..	..	..	Clear.
	20	21.4	760.40	29.832	69.4	29.924	29.814	....	59.5	53.	.341	71.	140	..	..	..	Clear.
	21	20.9	761.10	29.861	68.7	20.951	29.847	47.	54.9	51.3	.350	79.5	140	..	..	..	Clear.
	22	20.	761.75	29.891	67.2	29.972	29.869	45.1	53.6	50.5	.343	84.2	139	..	..	..	Clear.
	23	19.7	761.65	29.889	66.8	29.972	29.869	44.1	51.7	49.3	.338	86.2	139	..	..	..	Clear.

Observed dew point: 3*h*., 48°; 9*h*., 47°; 15*h*., 39°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
1	0	18.8	762.00	29.905	65.	29.976	29.878	43.2	50.5	48.	.321	86.	140	..	..	..	Clear.
	1	18.3	762.50	29.928	64.	29.978	29.883	42.3	50 3	48 5	.335	85.4	140	..	..	..	Clear.
	2	17.9	761.80	29.904	63.2	29.980	29.887	41.5	50.	48.5	.338	85.	158	..	..	..	Clear.
	3	17.8	762.00	29.911	63.7	29.988	29 894	42.	49.6	48.5	.331	86.	160	..	..	..	Clear.
	4	17.	762.30	29.927	61.5	30.000	29.912	42.2	47.2	45.7	.305	88.3	150	..	..	1.0	Ci-s., S.
	5	17.	763.05	29.956	61.	30.065	29.978	42.5	52.6	51.	.374	80.	150	..	..	.8	Ci s., S.
	6	17.	764.10	29.998	60 8	30.070	29.984	....	58.5	56.5	.443	75.	165	..	..	.5	Ci.
	7	17.	764.35	30.008	60.2	30.085	30.000	....	59.3	54.5	.381	73.5	165	..	..	.4	Ci.
	8	17.5	764.50	30.011	61.7	30 100	30.012	....	60.7	53.	.328	70.	165	..	..	.3	Ci.
	9	18.2	764 70	30.015	63.	30.100	30.007	76.	62.5	54.	.333	71.5	115	.2	..	.3	Ci., Ci-cu., *W.*
	10	19.	764 85	30.018	64.	30.106	30.011	78.	64.5	55.2	.341	68.5	240	..	..	.3	Ci., Ci-cu., *W.*
	11	19.	764.85	30.018	64.8	30.106	30.009	80.8	66.	55.1	.322	65.3	230	..	..	.3	Ci., Ci-cu., (1) *NW.*, (2) *W.*
	12	19.5	761.75	30.012	65 2	30.102	30.004	81.	66.5	55.	.313	63.2	170	.1	..	.3	Ci., Ci-cu., (1) *NW.*, (2) *W.*
	13	20.	764.50	29.999	66.	30.088	29.987	80.5	67.	55.1	.311	62.	125	.1	..	.5	Ci., Ci-cu., (1) *NW.*, (2) *W.*
	14	20.5	764.20	29.984	67.	30.076	29.973	84.3	69.2	56.	.310	60.	180	..	..	.3	Ci , Ci-cu., (1) *NW.*, (2) *W.*
	15	21.2	764.00	29.974	68.	30.070	29.964	82.	69.3	57.3	.343	61.	180	..	..	.2	Ci., Ci-cu., *NW.*
	16	21.7	764.10	29.975	68.8	30.078	29.970	83.	69.6	56.5	.318	59.3	225	..	..	.3	Ci., Ci-cu., *WNW.*
	17	22.5	764.10	29.971	70.	30.078	29.967	....	70.7	60.7	.422	63.	285	..	..	..	Ci. at Hor.
	18	22.9	764.50	29.986	71.	30.094	29.980	....	68.	59.	.403	66.2	335	..	..	..	Clear.
	19	22 8	764.50	29.986	71.	30.094	29.980	....	66.3	57.4	.379	68.	341	..	..	..	Clear.
	20	21.7	765.00	30.010	70.2	30.118	30.007	....	59.	53.	.346	75.	340	..	..	..	Clear.
	21	21.3	765.50	30.032	69.5	30.126	30.016	....	57.	52.5	.356	77.2	342	..	..	..	Clear.
	22	21.1	765.70	30.041	69.	30.134	30.025	51.1	55.2	51.	.339	77.3	4	..	..	..	Clear.
	23	20.4	765.85	30.051	67.9	30.140	30.034	49.	53.6	49.1	.311	82.4	6	..	..	..	Clear.

Observed dew point: 3*h.*, 45°.5; 9*h.*, 49°; 15*h.*, 44°.6; 21*h.*, 45°.7.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
2	0	19.8	766.10	30.064	66.9	30.146	30.043	42.9	51.4	49.	.334	84.4	6	..	..	..	Clear.
	1	19.2	766.20	30.070	65.9	30.150	30.049	42.3	50.5	48.5	.332	81.4	6	..	..	..	Clear.
	2	18.6	766.00	30.065	64.9	30.144	30.046	41.8	49.5	48.1	.334	90.4	6	..	..	..	Clear.
	3	18.2	766.00	30.066	63.8	30.144	30.049	41.6	48.	46.	.303	90.5	6	..	..	..	Clear.
	4	17.5	766.25	30.080	62.7	30.158	30.067	41.	48.	46.3	.310	89.	6	..	..	..	Clear.
	5	18.3	766.30	30.078	62.5	30.160	30.069	....	48.	46.	.308	89.	6	..	..	..	Clear.
	6	17.2	766.75	30.101	61.7	30.184	30.096	....	51.6	49.2	.336	86.	180	..	..	..	Clear.
	7	17.5	767.60	30.133	61.7	30.212	30.124	....	57.	52.	.343	81.8	240	..	..	..	Clear.
	8	18.	768.00	30.147	62.8	30.230	30.137	....	61.3	54.5	.358	76.	230	..	..	..	Clear.
	9	18.7	768.20	30.152	64.	30.234	30.139	77.5	63.7	56.5	.384	73.3	250	..	..	..	Clear.
	10	19.2	768.10	30.145	65.	30.234	30.136	80.	66.1	57.	.371	68.	200	..	..	..	Clear.
	11	19.7	767.80	30.131	66.	30.225	30.124	82.	68.	56.5	.336	64.3	275	..	..	.1	Cu.
	12	20.3	767.50	30.116	66.8	30.210	30.107	83.	69.	57.	.338	62.	230	..	..	..	A few small Cu.
	13	20.7	767.30	30.106	67.5	30.200	30.096	84.3	69.8	57.5	.343	59.	200	..	..	..	A few small Cu.
	14	21.2	767.00	30.092	68.2	30.187	30.081	85.5	70.6	58.6	.364	59.	205	..	..	..	A few small Cu.
	15	22.	766.80	30.081	69.	30.184	30.075	85.	70.9	56.3	.296	58.2	220	..	..	..	A few small Cu.
	16	22.9	766.35	30.059	70.	30.160	30.049	85.5	71.3	56.4	.294	56.	235	.1	..	..	A few small Cu.
	17	23.	766.35	30.058	71.	30.160	30.046	....	71.	57.4	.325	57.4	280	.1	..	.4	Cu., Ci-cu.
	18	22.7	766.50	30.065	71.	30.166	30.052	....	67.5	56.4	.338	61.	280	.2	..	..	A few small Cu.
	19	22.3	766.50	30.067	71.	30.166	30.052	....	66.	56.	.344	63.	300	.3	..	..	A few small Cu.
	20	21.7	766.75	30.080	69.7	30.178	30.068	....	60.2	53.2	.336	68.	300	.2	..	..	A few Ci-s.
	21	21.	767.00	30.092	69.	30.182	30.073	....	57.	52.5	.356	79.	300	.4	..	..	A few Ci-s.
	22	20.5	767.15	30.100	68.2	30.186	30.080	....	54.7	51.2	.349	83.3	4	.2	..	.1	Ci-s.
	23	20.	766.90	30.094	67.2	30.182	30.079	48.1	52.6	49.8	.339	85.5	6	..	..	..	Clear.

Observed dew point: 3*h.*, 44°.5; 9*h.*, 51°.6; 15*h.*, 49°; 21*h.*, 49°.6.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
3	0	19.6	766.60	30.084	66.1	30.168	30.067	....	51.4	48.8	.328	90.	309	..	..	..	A few Ci-s. in *NW.*
	1	19.	766.25	30.073	65.	30.150	30.052	....	49.2	48.	.335	88.5	309	..	..	..	A few Ci-s. in *NW.*
	2	18.1	765.75	30.058	64.	30.138	30.043	41.1	48.6	47.	.319	90.	313	..	..	..	Clear.
	3	17.9	765.80	30.061	63.	39.138	30.045	39.2	47.	45.9	.312	91.	315	..	..	..	Clear.
	4	17.6	765.55	30.052	62.	30.132	30.042	....	45.6	44.6	.299	90.9	284	..	..	..	A few Ci. in *E.*
	5	16.6	765.70	30.062	61.	30.136	30.048	40.	46.3	45.3	.207	91.3	284	..	..	..	Clear.
	6	16.7	765.95	30.072	60.4	30.142	30.056	....	51.5	49.5	.244	88.9	256	..	..	..	A few Ci-s.
	7	17.	766.20	30.081	60.8	30.156	30.069	....	57.	54.	.394	84.	255	..	..	..	A few Ci s.
	8	17.7	766.00	30.069	62.	30.144	30.054	....	60.5	56.1	.409	80.	290	..	..	..	Clear.
	9	18.4	765.50	30.046	64.	30.132	30.037	74.	63.5	55.9	.371	69.5	340	.3	..	.1	Ci.
	10	19.	765.00	30.023	65.	30.112	30.014	82.	65.5	56.	.352	67.	330	.5	..	.2	Light Ci.
	11	19.7	765.00	30.020	65.3	30.110	30.011	83.5	67.	58.2	.394	68.	340	.7	..	.2	Light Ci.
	12	20.2	764.80	30.016	66.2	30.105	30.004	88.7	68.3	58.3	.382	66.	340	.4	..	.1	Light Ci.
	13	20.5	764.20	29.984	67.	30.077	29.974	88.	69.5	59.	.388	64.5	340	.4	..	..	Clear.
	14	20.8	763.80	29.967	67.6	30.064	29.960	90.5	70.6	60.4	.416	64.7	345	.8	..	..	Clear.
	15	21.4	763.25	29.943	68.2	30.042	29.936	89.	71.4	61.2	.430	64.7	325	1.0	..	..	Clear.
	16	22.	763.00	29.930	69.1	30.032	29.923	89.8	72.	61.2	.423	65.	325	.7	..	.1	Cu., *SSW.*
	17	22.1	763.00	29.929	70.	30.026	29.915	87.5	69.5	60.	.417	67.	300	.5	..	.1	Cu , *SSW.*
	18	22.2	763.00	29.928	70.5	30.026	29.914	....	67.8	60.	.434	67.9	340	.6	..	..	Cu.
	19	21.8	763.10	29.935	70.7	30.032	29.920	....	63.7	57.	.397	72.	295	.8	..	.3	Ci-s.
	20	21.	763.25	29.944	69.3	30.034	29.924	....	59.	54.5	.384	79.	305	.7	..	.1	Ci s.
	21	21.	763.60	29.958	68.7	30.046	29.939	....	58.	54.4	.393	84.	300	.4	..	.1	Ci-s.
	22	20.8	763.50	29.945	68.3	30.046	29.939	....	57.6	54.8	.407	84.1	302	..	..	.1	Ci-s., Ci-cu.
	23	20.2	763.20	29.946	67.8	30.034	29.928	....	55.8	53.6	.397	89.	259	..	..	..	Ci-s. in *NE.*

Observed dew point: 9*h.*, 49°.2; 15*h*, 53°.8; 21*h.*, 51°.8.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
4	0	20.	762.70	29.928	67.	30.016	29.913	52.	55.2	52.8	.384	90.	259	..	..	..	Clear.
	1	19.3	761.85	29.898	66.	29.988	29.887	....	54.5	52.7	.389	92.	238	..	..	.3	Ci-s., S.
	2	19.1	761.65	29.891	65.7	29.974	29.875	....	54.9	54.	.418	92.	262	..	..	.8	S. ?
	3	19.2	761.15	29.871	65.	29.960	29.862	....	55.4	54.5	.425	91.9	285	..	..	1.0	Cu.
	4	19.	761.00	29.865	64.6	29.950	29.854	....	55.5	55.	.436	92.	260	..	..	1.0	Ci s. and S.
	5	18.8	761.85	29.900	64.4	29.994	29.898	....	56.4	55.5	.440	92.	270	..	..	1.0	Ci s. and S.
	6	18.5	762.00	29.907	64.1	29.998	29.903	....	56.5	56.	.452	92.	270	..	..	1.0	Ci-s. and S.
	7	18.5	761.20	29.876	64.1	29.980	29.885	....	58.5	57.5	.470	92.	260	..	..	1.0	Ci s. and S.
	8	18.8	761.05	29.868	64.1	29.960	29.865	....	59.5	58.4	.484	91.	270	..	..	1.0	Ci-s, and S.
	9	18.8	760.80	29.859	64.3	29.946	29.850	....	62.1	60.5	.514	89.7	270	..	..	1.0	Ci-s and S.
	10	18.8	760.50	29.847	64.5	29.930	29.834	....	65.	61.7	.517	86.	325	..	..	1.0	Ci-s.
	11	19.2	760.75	29.856	65.	29.940	29.842	....	69.1	61.1	.543	81.	340	..	..	1.0	Ci-s., Ci cu.
	12	19.8	760.70	29.852	65.8	29.940	29.840	....	70.	64.8	.555	80.5	335	.1	..	1.0	Ci-s., Ci cu.
	13	20.2	760.10	29.825	66.5	29.922	29.820	....	72.5	64.8	.527	75.	0	..	..	1.0	Cu., Ci-s., Ci-cu.
	14	20.7	760.10	29.823	67.4	29.920	29.816	....	72.3	64.8	.529	75.3	20	.5	..	1.0	Ci-cu., Ci-s , Cu., *SSW.*
	15	21.1	759.90	29.813	68.3	29.910	29.803	....	69.5	64.	.535	80.	15	..	..	1.0	Ci-cu., Ci s., N., *SSW.*
	16	21.2	759.65	29.803	69.	29.884	29.775	....	69.2	65.	.570	80.9	35	..	..	1.0	Ci-cu., Ci-s., N., *SW.* by *S.*
	17	21.2	759.60	29.801	69.3	29.900	29.790	....	69.	64.4	.553	82.	30	.1	..	1.0	Cu., N., *SW.* by *S.*
	18	21.3	759.65	29.802	69.5	29.904	29.794	....	68.4	64.5	.563	86.	63	..	..	1.0	Cu., Ci-cu., N., *SW.* by *S.*
	19	21.3	760.00	29.816	69.7	29.910	29.800	....	67.5	64.5	.573	86.3	65	..	..	1.0	Cu., Ci-cu., N., *SW.* by *S.*
	20	21.3	760.50	29.836	69.7	29.922	29.812	....	67.	64.5	.579	88.2	55	..	..	1.0	Cu., Ci-cu., N.
	21	21.4	760.65	29.842	69.7	29.926	29.816	....	66.	64.2	.581	89.2	55	..	..	1.0	Cu., Ci-cu., N.
	22	21.6	760.65	29.841	69.7	29.928	29.818	....	65.5	63.5	.565	89.2	20	..	..	1.0	Cu., Ci-cu., N.
	23	....	.....	*29.840	....	.....	*29.818	....	*65.	....	*.550	*89.2	20	..	..	..	

* Supplied.

Observed dew point: 3*h.*, 53°; 9*h.*, 59°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
6	0	23.7	756.95	29.685	71.2	29.810	29.695	....	65.5	65.4	.625	*94.	35	..	..	..	
	1	23.5	756.15	29.655	70.8	29.800	29.686	....	66.5	66.4	.645	92.	140	..	..	..	
	2	23.4	757.40	29.704	70.3	29.804	29.692	....	66.6	66.1	.634	90.	209	..	..	..	
	3	....	.....	*29.723	....	.....	*29.706	....	*64.6	....	*.581	*88.1	210	..	..	..	
	4	....	.....	*29.736	....	.....	*29.719	....	*62.9	....	*.523	*86.3	160	..	..	..	
	5	22.5	758.30	29.743	71.7	29.850	29.735	....	62.7	59.	.464	83.8	165	..	..	1.0	Ci-s., Ci-cu., Cu.
	6	22.	759.10	29.777	71.	29.876	29.762	....	62.8	58.8	.457	84.5	160	..	..	1.0	Ci-s., Ci-cu., Cu.
	7	21.2	759.75	29.807	70.	29.900	29.789	....	63.3	58.5	.443	82.	160	..	..	1.0	Ci-s., Ci-cu., Cu.
	8	21.5	760.35	29.830	69.8	29.924	29.813	....	65.4	58.	.405	75.5	190	.1	..	1.0	Ci-s., Ci-cu.
	9	21.8	760.10	29.820	69.6	29.920	29.810	....	67.2	58.2	.390	70.8	166	.2	..	1.0	Ci-cu., *W.*
	10	22.	760.10	29.817	70.	29.916	29.805	....	68.7	60.1	.429	70.5	180	.2	..	.8	Ci-cu., Ci., *W.*
	11	22.7	760.10	29.813	70.8	29.916	29.803	....	68.6	60.	.427	70.	150	.2	..	.7	Ci-cu., Ci., *W.*
	12	23.	760.35	29.822	71.4	29.930	29.815	....	69.2	60.2	.426	68.3	170	.2	..	.6	Ci-cu., Ci., *W.*
	13	23.1	760.70	29.836	72.	29.936	29.819	....	68.9	58.6	.384	66.	160	.3	..	.8	Cu., Ci-cu., Ci., *SSW.*
	14	23.5	760.70	29.833	72.5	29.936	29.818	....	70.5	60.2	.412	65.3	160	.1	..	.9	Cu., Ci-cu., Ci., *SSW.* [*SW.*
	15	23.7	760.95	29.843	73.	29.948	29.829	....	71.	60.5	.414	65.3	125	..	..	.7	Cu., Ci-cu., Ci., (1) *NW.*, (2)
	16	24.1	760.70	29.830	73.3	29.938	29.818	....	71.7	60.2	.398	64.	145	.1	..	.5	Cu., Ci-cu., Ci., (1) *NW.*, (2)
	17	24.2	761.00	29.841	73.9	29.956	29.834	....	69.3	59.	.389	63.2	165	.4	..	.6	Cu., Ci-cu., *NW.* [*SW.*
	18	24.2	761.90	29.877	74.	29.990	29.868	....	67.4	57.4	.399	63.5	170	1.0	..	.2	Cu., Ci-cu.
	19	24.2	762.35	29.894	73.9	30.016	29.894	....	64.8	56.5	.370	64.	176	.3	..	..	Cu. at Hor.
	20	23.1	763.10	29.929	73.	30.040	29.921	....	60.5	53.	.329	67.	190	..	..	..	Cu. at Hor.
	21	22.9	764.00	29.966	72.	30.070	29.953	....	58.5	50.5	.289	65.7	190	.4	..	..	Cu. at Hor.
	22	21.9	764.25	29.989	70.8	30.034	29.920	53.	56.	49.7	.298	64.	196	..	..	..	Cu. at Hor.
	23	21.1	764.75	30.004	69.3	30.100	29.990	47.	54.	46.5	.246	64.8	181	.5	..	..	Cu. at Hor.

* Supplied.

Observed dew point: 9*h.*, 51°.2; 15*h.*, 53°.5; 21*h.*, 38°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
7	0	20.1	764.00	29.979	67.8	30.112	30.006	45.	51.9	45.4	.245	66.3	189	.3	..	..	Clear.
	1	19.3	765.60	30.041	66.5	30.130	30.028	43.8	49.8	44.2	.242	68.2	168	.4	..	..	
	2	18.7	765.20	30.033	65.	30.114	30.016	41.2	47.6	44.1	.265	70.	170	.1	..	..	
	3	18.1	767.10	30.111	63.4	30.188	30.094	45.5	45.5	....	....	72.	180	..	..	..	Clear.
	4	17.7	767.75	30.138	62.3	30.220	30.129	37.	44.7	....	....	73.	190	..	..	..	Clear.
	5	16.6	768.55	30.175	61.4	30.250	30.162	....	44.	....	....	75.	190	..	..	..	A few Ci. in *SW.*
	6	16.5	769.25	30.204	60.3	30.260	30.174	....	47.9	....	....	73.	210	..	..	..	A few Ci. in *SW.*
	7	16.8	769.95	30.230	60.3	30.300	30.214	....	51.	....	....	68.9	250	.5	..	..	A few Ci. in *SW.*
	8	17.2	770.25	30.238	60.9	30.320	30.233	....	52.3	....	....	65.	260	1.2	..	..	A few Ci. in *SW.*
	9	17.	770.35	30.244	61.2	30.328	30.241	....	55.5	....	....	64.	240	1.5	..	..	A few Ci. in *SW.*
	10	17.2	770.30	30.239	61.2	30.324	30.236	....	56.	....	....	64.9	240	.8	..	..	A few Ci. in *SW.*
	11	17.5	770.00	30.226	61.8	30.320	30.230	80.5	57.	....	....	62.	232	.8	..	..	A few Ci. in *SW.*
	12	17.7	770.00	30.225	62.	30.304	30.213	82.	58.6	48.8	.246	61.3	255	.3	..	.3	Ci., *W.*
	13	18.	770.25	30.234	63.5	30.320	30.228	83.	59.6	49.2	.244	61.	235	.1	..	.2	Ci., *W.*
	14	18.4	770.10	30.225	63.	30.310	30.216	84.	61.1	50.6	.261	61.	230	.4	..	.2	Ci., *W.*
	15	19.	770.50	30.239	64.	30.328	30.231	85.	62.5	51.2	.260	60.	275	..	..	.2	Ci., *W.*
	16	19.4	770.75	30.246	64.5	30.336	30.238	86.5	64.4	53.7	.301	59.3	275	..	..	.4	Ci., Cu., *W.*
	17	19.	770.75	30.250	64.9	30.336	30.236	....	63.5	54.2	.323	63.	330	.1	..	.5	Ci., Cu., *W.*
	18	19.2	771.55	30.280	65.	30.382	30.282	....	59.3	51.4	.298	65.2	303	1.0	..	.6	Ci., Cu., *W.*
	19	18.9	771.55	30.281	65.	30.382	30.282	....	57.5	50.5	.299	67.	330	..	..	.4	Ci., Cu., Ci-cu.
	20	18.3	772.00	30.300	64.	30.404	30.307	....	51.8	47.7	.298	74.	330	..	..	.1	Ci., Cu.
	21	18.1	772.25	30.312	63.5	30.410	30.315	....	50.	46.	.280	73.5	330	..	..	.1	Ci., Cu.
	22	17.5	771.05	30.268	62.7	30.400	30.308	44.	46.8	44.1	.274	77.	314	..	..	.1	Ci., Cu.
	23	17.1	771.15	30.275	61.9	30.342	30.251	39.5	46.2	43.6	.270	80.	313	..	..	.1	Ci., Cu.

Observed dew point: 3*h.*, 42°; 9*h.*, 43°.2; 15*h.*, 40°.6; 21*h.*, 40°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
8	0	16.3	771.10	30.275	61.	30.382	30.293	41.	45.5	42.9	.264	82.4	283	..	..	.2	Ci., Cu.
	1	16.	771.90	30.308	60.	30.384	30.298	41.	44.5	43.	.277	89.	283	..	..	.4	Ci., Cu.
	2	15.8	771.90	30.310	59.2	30.380	30.297	41.8	46.	44.2	.285	89.	247	..	..	.7	Ci., Cu.
	3	15.8	771.95	30.312	59.	30.382	30.299	....	46.5	44.5	.286	88.5	255	..	..	1.0	Ci-s., Ci-cu.
	4	15.5	772.35	30.328	59.	30.396	30.313	....	47.	44.6	.283	87.3	250	..	..	1.0	Ci s., Ci cu.
	5	15.	772.40	30.333	58.8	30.402	30.319	....	48.4	45.	.275	86.	260	..	..	1.0	Ci s., Ci-cu.
	6	15.	772.60	30.341	58.5	30.410	30.328	....	49.8	46.	.283	86.	260	..	..	1.0	Ci s., Ci-cu.
	7	15.	772.80	30.351	57.5	30.420	30.341	....	51.8	48.	.306	82.	260	..	..	1.0	Ci-s., Ci-cu.
	8	15.	772.60	30.341	57.4	30.408	30.329	....	52.4	48.	.299	83.6	260	.2	..	1.0	Ci-s., Ci-cu.
	9	15.1	772.75	30.317	57.7	30.418	30.338	....	54.8	50.8	.338	81.3	275	.2	..	1.0	Ci-s., Ci-cu.
	10	15.6	772.45	30.332	58.	30.408	30.327	....	58.	52.3	.339	76.5	260	.7	..	1.0	Ci s., Ci cu.
	11	16.2	772.35	30.325	59.	30.400	30.317	....	61.6	55.4	.377	75.	290	.6	..	1.0	Ci s., Ci cu.
	12	17.2	772.05	30.308	60.5	30.387	30.300	....	63.	56.5	.391	75.5	290	.5	..	1.0	Ci s., Ci-cu.
	13	18.	771.50	30.283	62.	30.370	30.279	....	66.	58.3	.406	73.	290	.5	..	1.0	Ci s., Ci-cu.
	14	18.8	771.40	30.275	63.1	30.362	30.268	....	65.5	58.7	.424	75.	290	1.0	..	1.0	Ci-s., Ci-cu.
	15	19.	770.80	30.251	64.2	30.338	30.241	....	64.4	58.4	.428	77.	290	.6	..	1.0	Ci s., Ci cu, N.
	16	19.2	770.60	30.242	65.	30.330	30.230	....	63.	57.7	.425	80.	290	.6	..	1.0	Ci-s., N.
	17	19.2	770.00	30.219	65.3	30.312	30.211	....	61.9	57.9	.442	82.2	285	1.2	..	1.0	Ci s., N.
	18	19.1	770.40	30.235	65.5	30.326	30.225	....	60.5	58.5	.475	84.2	260	.7	..	1.0	Ci-s., N.
	19	19.	770.30	30.232	65.3	30.322	30.221	....	59.5	57.	.445	85.	270	.6	..	1.0	Ci-s., N.
	20	18.7	769.80	30.215	64.9	30.300	30.200	....	58.	57.	.462	89.	270	1.0	..	1.0	Ci-s., N.
	21	18.6	769.45	30.199	64.6	30.280	30.182	....	57.	57.	.473	90.5	246	1.2	..	1.0	Raining, N.
	22	18.2	768.80	30.175	61.2	30.260	30.163	....	57.	56.	.446	92.	266	1.0	..	1.0	Raining, N.
	23	18.	767.00	30.107	63.9	30.228	30.133	....	57.1	56.3	.453	92.	120	.9	.05	1.0	Raining, N.

Observed dew point: 3*h.*, 43°.5; 9*h.*, 46°.6; 15*h.*, 52°.8.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
9	0	17.7	766.85	30.103	63.3	30.188	30.094	....	57.1	56.6	.461	93.	145	1.0	.08	1.0	N., raining.
	1	17.9	766.25	30.078	63.	30.162	30.069	....	58.1	57.6	.477	91.8	250	.2	.02	1.0	N., raining.
	2	17.8	765.45	30.047	63.	30.124	30.031	....	59.	58.5	.492	92.	256	.1	.02	1.0	N., raining.
	3	18.2	764.60	30.011	63.1	30.088	29.995	....	59.4	59.	.502	91.2	240	..	.01	1 0	N., raining.
	4	18.	764.25	29.999	63.1	30.080	29.987	....	59.5	59.	.500	91.9	240	..	.01	1.0	N., raining.
	5	18.	763.85	29.983	63.2	30.064	29.971	....	59.2	59.	.504	91.9	230	..	.02	1.0	N., raining.
	6	17.9	763.80	29.981	63.1	30.064	29.971	....	59.	58.5	.492	91.2	225	..	..	1.0	N.
	7	18.1	763.55	29.971	63.	30.052	29.959	....	60.	59.5	.509	91.5	225	..	..	1.0	N.
	8	18.3	763.25	29.957	63.	30.040	29.947	....	60.9	60.3	.521	91.	205	..	.01	1.0	N., rain.
	9	18.4	763.05	29.949	63.8	30.030	29.935	....	63.	62.	.548	91.5	190	..	..	1.0	N., S.
	10	18.7	762.75	29.937	64.	30.020	29.925	....	65.4	63.7	.572	90.5	155	..	..	1.0	N., S.
	11	19.1	762.70	29.932	64.7	30.020	29.923	....	66.7	64.5	.582	89.5	100	..	..	1.0	N., Ci-s., *W.*
	12	19.7	762.60	29.926	65.5	30.012	29.913	....	68.6	65.6	.596	87.	165	..	..	1.0	N., Ci-s., Ci cu., *W.*
	13	20.3	761.90	29.896	66.6	29.984	29.882	....	71.5	67.3	.619	84.5	25	..	..	1 0	N., Ci-s., Ci-cu., *W.*
	14	21.	761.55	29.879	68.	29.973	29.867	....	74.1	69.5	.664	82.5	25	..	..	.9	Ci., Ci-cu., *WSW.*
	15	21.9	761.20	29.860	69.	29.956	29.847	....	74.5	69.4	.655	82.2	35	..	..	1.0	Ci., Ci-cu., Cu., *WSW.*
	16	22.2	761.00	29.850	70.2	29.950	29.839	....	73.	67.5	.610	82.	35	..	..	.9	Ci., Cu., *WSW.*
	17	23.	760.30	29.820	71.3	29.910	29.795	....	75.2	69.8	.660	82.	35	..	..	.5	Ci., Cu., *WSW.*
	18	23.5	760.20	29.814	73.3	29.909	29.789	....	75.5	70.5	.682	82.2	42	..	..	.7	Ci., Cu., *WSW.*
	19	23.	759.70	29.796	73.	29.900	29.781	....	73.5	70.	.687	85.	41	..	..	.6	Ci., Cu., *WSW.*
	20	23.3	759.25	29.777	73.	29.870	29.751	....	69.	66.5	.620	90.	42	..	..	.3	Ci., Cu., *WSW.*
	21	23.5	759.45	29.783	73.	29.888	29.769	....	68.7	67.5	.656	92.	42	..	..	.9	Cu., Ci., *WSW.*
	22	23.2	758.15	29.733	73.	29.872	29.753	....	67.5	66.2	.627	92.2	42	..	..	.1	Cu., Ci., *WSW.*
	23	23.	758.80	29.761	72.6	29.858	29.740	....	67.5	66.8	.647	92.	42	..	..	.7	Cu., *W.*

Observed dew point: 9*h.*, 61°.2; 15*h.*, 67°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
10	0	22.8	758.25	29.740	72.2	29.856	29.739	....	67.6	67.	.652	92.	42	..	..	1.0	Ci., S.
	1	22.8	757.90	29.727	72.2	29.824	29.707	....	67.2	66.2	.631	92.	41	..	..	1.0	Ci., S.
	2	22.6	757.15	29.698	72.	29.840	29.723	....	66.6	66.5	.647	92.	95	..	.25	1.0	N., raining.
	3	22.5	756.55	29.676	71.5	29.782	29.667	....	65.2	64.8	.609	92.	20	..	.17	1.0	N., raining.
	4	22.3	756.40	29.671	71.3	29.770	29.655	....	63.7	63.	.570	92.	20	..	..	1.0	N., raining.
	5	22.	756.45	29.675	71.	29.772	29.658	....	63.2	62.7	.566	91.5	20	..	..	1.0	N., raining.
	6	21.8	756.50	29.678	70.6	29.778	29.666	....	64.	63.4	.579	91.	130	..	.01	1.0	N., raining.
	7	21.7	756.50	29.678	70.	29.780	29.669	....	64.6	64.	.590	90.8	130	..	.35	1.0	N., raining.
	8	21.7	756.65	29.684	70.	29.784	29.673	....	66.3	64.5	.587	90.	130	..	.01	.8	Cu., Ci-cu.
	9	21.8	756 50	29.677	70.	29.776	29.666	86.	67.7	65.7	.610	87.	70	..	..	.4	Ci., Cu., Ci-cu., *W.*
	10	22.6	756.50	29.673	71.	29.776	29.663	92.	71.5	67.	.609	83.7	90	..	..	.4	Cu., Ci-cu., *W.*
	11	23.1	756.70	29.679	71.8	29.780	29.664	94.	73.7	66.3	.563	76.	100	.5	..	.7	Cu., Ci-cu., (1) *NW.*, (2) *SW.*
	12	24.	756.30	29.657	73.	29.765	29.647	94.2	74.7	67.7	.597	76.	50	.6	..	.4	Ci., Ci-cu., *W.*
	13	24.	755.70	29.634	73.5	29.744	29.625	94.5	75 8	68.	.595	74.	50	.5	..	.4	Cu., *W.*
	14	24.6	755.50	29.624	74.2	29.734	29.612	93.3	76.5	67.	.554	69.	80	1.0	..	.3	Cu., *W.*
	15	25.2	755.55	29.623	75.	29.736	29.612	90.	76.5	64.5	.475	65.	70	1.7	..	.2	Cu., *W.*
	16	25.6	755.60	29 623	76.	29.736	29.610	87.3	76.5	64.3	.469	65.	90	1.6	..	.3	Cu., *W.*
	17	25.9	755.80	29.630	76.5	29.756	29.629	....	74.	63.	.455	67.	95	1.7	..	.3	Cu., *W.*
	18	26.2	756.35	29.650	77.	29.770	29.641	....	72.5	62.	.442	65.	42	1.8	..	.1	Cu.
	19	26.	756.90	29.673	77.	29.800	29.670	....	70.	60.	.411	65.	100	2.2	..	.1	Cu. at Hor.
	20	24.7	757.75	29.712	75.8	29.830	29.703	....	65.	57.4	.395	70.8	125	2.0	..	..	Cu. at Hor.
	21	24.8	758.55	29.743	74.5	29.856	29.733	60.5	62.5	56.2	.390	72.	123	2.0	..	..	Cu. at Hor.
	22	23.2	758.70	29.763	73.2	29.872	29.753	56.5	59.7	54.5	.377	73.	170	2.0	..	..	Clear.
	23	22.2	758.00	29.732	71.7	29.876	29.761	55.	57.6	53.5	.375	77.8	133	1.0	..	..	Clear.

Observed dew point: 3*h.*, 63°.5; 9*h.*, 67°; 15*h.*, 58°.4; 21*h.*, 51°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
11	0	21.4	758.85	29.771	70.3	29.874	29.762	51.5	56.5	52.9	.371	82.	127	1.0	..	.3	Cu.
	1	20.8	758.15	29.745	69.1	29.882	29.773	51.5	54.	49.5	.316	79.	145	1.0	..	.1	Cu., S.
	2	20.	759.25	29.792	67.6	29.888	29.784	50.	53.1	48.5	.303	79.	150	2.0	..	.2	S.
	3	18.4	760.15	29.836	66.	29.896	29.795	....	50.	45.2	.262	77.5	155	1.2	..	.5	Ci., Cu., Ci-s.
	4	18.	760.85	29.866	65.5	29.924	29.825	....	47.4	42.5	.232	77.	140	3.0	..	.3	Cu., Ci-s.
	5	18.	761.45	29.889	62.	29.958	29.868	....	46.3	41.4	.222	76.	145	2.5	..	.4	Cu., Ci-s.
	6	18.	762.00	29.910	61.8	29.984	29.894	....	45.5	40.8	.218	75.5	145	1.5	..	.1	Cu.
	7	16.4	763.10	29.961	60.8	30.038	29.951	....	46.4	41.	.212	76.	155	2.0	..	1.0	Cu., Ci-cu.
	8	16.2	763.40	29.974	60.3	30 050	29.964	....	47.3	40.	.181	74.	150	2.5	..	.7	Cu., Ci-cu.
	9	15.8	763.50	29.979	59.8	30.056	29.972	60.3	48.	41.	.196	70.7	150	2.8	..	.1	Cu., *NNW.*
	10	15.3	763.65	29.988	59.2	30.060	29.978	64.	49.5	42.1	.201	69.	150	2.6	..	.1	Cu., *NNW.*
	11	15.6	763.50	29.980	59.	30.056	29.974	66.	51.6	44.1	.221	68.5	150	2.3	..	..	Small Cu., *NNW.*
	12	15.7	763.50	29.980	59.	30.056	29.974	67.5	53.5	45.5	.230	68.	135	2.7	..	..	Clear.
	13	15.9	763.50	29.979	59.	30.056	29.974	69.5	55.2	46.4	.231	65.5	125	2.8	..	..	Clear.
	14	16.1	763.65	29.984	59.2	30.060	29.978	68.	56.7	47.7	.244	63.5	130	2.6	..	..	Clear.
	15	16.6	764.00	29.996	59.7	30.070	29.986	68.	58.	48.	.237	62.	130	2.8	..	..	Clear.
	16	17.1	764.40	30.010	60.5	30.084	29.998	68.5	59.5	49.5	.255	61.	130	1.8	..	..	Clear.
	17	18.	764.50	30.009	61.5	30.090	30.002	....	60.4	51.5	.293	59.8	115	1.2	..	..	Clear.
	18	18.2	765.10	30.030	62.2	30.112	30.022	....	60.5	49.5	.242	59.2	140	.3	..	..	Clear.
	19	18.2	765.60	30.050	62.8	30.130	30.037	....	59.8	50.	.265	58.9	130	..	..	..	Clear.
	20	17.4	*766.40	30.066	62.4	30.168	30.077	....	52.2	47.5	.289	68.8	130	..	..	..	Clear.
	21	16.6	766.90	30.110	61.4	30.178	30.090	....	50.	46.	.280	76.	130	..	..	..	Clear.
	22	16.3	767.60	30.139	60.5	30.216	30.130	43.	47.5	44.6	.277	80.2	130	..	..	..	Clear.
	23	....	.....	†30.160	....	.....	†30.150	....	†46.	....	†.260	†85.	...	..	..	..	Clear.

* Recorded 764.40. † Supplied. Observed dew point: 3*h.*, 40°.5; 9*h.*, 31°.8; 15*h.*, 36°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
13	0	12.2	765.65	30.082	62.3	30.132	30.043	56.2	53.	51.2	.369	88.3	356	..	..	..	Clear.
	1	11.1	765.20	30.069	60.2	30.116	30.031	49.	52.2	50.7	.365	90.	350	..	..	..	Clear.
	2	11.9	764.45	30.036	61.2	30.084	29.996	49.	52.4	51.	.370	91.5	323	..	..	..	Clear.
	3	12.5	761.15	30.022	60.	30.068	29.983	49.	53.	51.8	.384	92.	325	..	..	..	Clear.
	4	14.3	763.85	30.000	59.4	30.056	29.973	48.5	53.7	52.9	.403	92.5	330	..	..	..	Clear.
	5	15.	763.95	30.001	59.7	30.068	29.985	....	54.	53.4	.412	93.	330	..	..	.4	Ci-s
	6	16.2	764.00	29.998	59.8	30.072	29.987	....	55.	54.5	.429	93.	330	..	..	1.0	Ci-s., Ci-cu.
	7	16.5	764.00	29.997	61.	30.074	29.987	....	63.5	61.	.413	86.	345	..	..	1.0	Ci-s., Ci-cu.
	8	18.2	764.00	29.987	60.8	30.074	29.987	....	66.3	63.	.541	84.	350	..	..	1.0	Ci-s., Ci-cu.
	9	18.2	763.75	29.977	62.8	30.064	29.971	83.5	70.	64.6	.549	80.	30	1.0	..	.7	Ci-cu., Cu., *SSW.*
	10	18.7	763.55	29.968	64.	30.056	29.961	84.7	70.	64.6	.549	80.	20	1.2	..	.9	Ci-cu., Cu., *SSW.*
	11	19.3	763.30	29.955	65.1	30.044	29.946	86.	72.7	67.	.595	80.	15	1.5	..	.9	Ci-cu., Cu., *SSW.*
	12	20.2	762.65	29.925	66.7	30.020	29.918	85.	75.1	68.8	.528	77.7	15	1.0	..	.9	Ci-cu., Cu., *SSW.*
	13	20.9	762.50	29.916	68.	30.014	29.908	86.	75.6	69.	.630	77.	15	1.3	..	.9	Ci-cu., Cu., *SW.*
	14	21.5	762.45	29.912	69.	30.010	29.901	89.	77.3	70.5	.663	77.	0	1.6	..	.9	Ci., Ci-cu., Cu., *SW.*
	15	22.	762.00	29.891	70.	29.988	29.877	90.7	76.	69.6	.646	78.5	350	2.2	..	.9	Ci., Ci-cu., Cu., Cu-s., *SW.*
	16	22.9	762.00	29.887	71.	29.988	29.874	89.5	76.	69.6	.646	79.3	350	2.3	..	.8	Ci., Ci-cu., Cu., *SW.*
	17	23.2	762.00	29.884	72.1	29.990	29.873	....	73.3	68.7	.648	84.2	10	2.8	..	1.0	Ci., Ci-cu., Cu., *S.*
	18	23.	762.40	29.902	72.6	30.012	29.894	....	71.2	68.4	.659	88.7	10	1.0	..	1.0	N., Cu., *S.* by *W.*
	19	23.	762.75	29.916	72.7	30.024	29.906	....	66.5	65.2	.606	94.	45	.2	.25	1.0	N., raining.
	20	22.8	763.70	29.954	72.2	30.058	29.941	....	64.5	61.	.501	92.5	70	.2	.27	1.0	N., raining.
	21	22.5	763.55	29.949	72.	30.052	29.935	....	64.	63.2	.573	92.3	70	..	.05	1.0	N.
	22	22.2	763.25	29.938	71.7	30.040	29.925	....	63.8	63.1	.572	92.7	71	..	..	1.0	N.
	23	22.	764.00	29.970	71.1	30.062	29.948	....	63.7	62.7	.561	92.9	71	..	..	1.0	N., drizzling.

Observed dew point: 3*h.*, 51°; 9*h.*, 60°.8; 15*h.*, 65°.5; 21*h.*, 62°.4.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
14	0	21.8	764.00	29.971	70.7	30.062	29.950	....	63.6	62.5	.556	92.6	71	..	.01	1.0	N., drizzling.
	1	21.6	764.00	29.971	70.4	30.060	29.948	....	63.1	62.3	.555	92.5	71	..	..	1.0	N.
	2	21.4	764.00	29.973	70.	30.062	29.951	....	62.9	62.	.549	92.	71	..	..	1.0	N.
	3	21.4	764.20	29.981	69.4	30.072	29.962	....	63.5	61.8	.547	92.7	71	..	..	1.0	N., drizzling.
	4	21.2	764.50	29.994	69.	30.084	29.975	....	62.4	62.	.555	93.	71	..	..	1.0	N.
	5	21.	764.85	30.008	68.3	30.096	29.989	....	62.7	62.2	.557	93.	71	..	..	1.0	N., S.
	6	20.8	765.00	30.013	68.5	30.150	29.993	....	63.	62.5	.562	93.	115	..	..	1.0	N., S.
	7	20.7	765.45	30.033	68.4	30.130	30.023	....	64.3	63.	.563	92.3	185	..	..	1.0	Ci-s., S.
	8	20.7	765.60	30.039	68.4	30.134	30.027	....	65.	63.5	.571	92.	185	..	..	1.0	Ci-s., S.
	9	20.9	765.50	30.034	68.4	30.124	30.017	....	65.8	63.8	.571	91.	190	..	..	1.0	N., Ci-s., S.
	10	20.9	765.50	30.034	68.4	30.124	30.017	....	66.	63.8	.568	89.7	197	..	..	1.0	Cu., Ci-s., S.
	11	21.1	765.60	30.037	68.8	30.134	30.026	....	68.1	65.	.582	87.4	216	..	..	1.0	Cu., Ci-s., S.
	12	21.4	765.60	30.036	69.	30.132	30.023	....	69.2	65.3	.579	86.	215	..	..	1.0	Cu., Ci-s., S.
	13	21.5	765.35	30.026	69.5	30.122	30.012	....	68.5	66.	.610	90.	255	..	..	1.0	Ci-s., N.
	14	21.9	765.20	30.017	70.	30.116	30.005	....	70.	67.	.625	87.3	260	..	..	1.0	Ci-s., N.
	15	22.3	765.00	30.007	70.5	30.110	29.998	....	71.8	67.8	.632	85.5	280	..	..	1.0	Ci-s., N.
	16	22.6	764.70	29.995	71.	30.100	29.986	....	72.	68.2	.643	86.	285	..	..	.9	Cu., N.
	17	22.9	764.70	29.994	71.9	30.100	29.983	....	70.5	67.4	.633	86.8	310	..	..	1.0	Ci-s., N.
	18	22.4	764.80	29.999	72.	30.108	29.991	....	69.5	68.5	.681	87.	310	..	..	1.0	Ci-s., N.
	19	22.4	764.80	29.999	72.	30.108	29.991	....	68.8	66.5	.622	88.	320	.2	..	1.0	Ci-s., N.
	20	22.5	764.80	29.999	71.7	30.108	29.993	....	66.8	65.	.597	92.	314	..	..	1.0	Ci-s., N.
	21	22.3	764.95	30.006	71.5	30.110	29.995	....	66.	64.5	.590	91.	314	..	..	1.0	Ci-s., N.
	22	22.2	764.90	30.004	71.3	30.096	29.981	....	65.9	64.5	.591	91.	304	..	..	1.0	Ci-s., N.
	23	22.1	764.90	30.005	71.	30.096	29.982	....	65.3	64.1	.585	92.3	304	..	..	1.0	Ci-s., N. drizzling.

Observed dew point: 3*h.*, 61°.5; 9*h.*, 61°.2; 15*h.*, 65°; 21*h.*, 63°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
15	0	22.	764.60	29.994	70.9	30.086	29.972	....	64.9	64.	.587	93.	304	..	..	1.0	N., drizzling.
	1	21.8	764.45	29.989	70.6	30.082	29.970	....	64.5	63.8	.585	93.2	304	..	..	1.0	N., drizzling.
	2	21.6	764.10	29.975	70.	30.070	29.959	....	64.1	63.5	.581	93.5	304	..	..	1.0	N., drizzling.
	3	21.5	764.20	29.981	69.8	30.078	29.967	....	64.	63.5	.582	93.5	304	..	.01	1.0	N., raining.
	4	21.5	764.35	29.987	69.5	30.080	29.970	....	64.2	63.5	.580	93.5	304	..	.02	1.0	N., raining.
	5	21.3	764.35	29.987	69.2	30.084	29.975	....	64.5	63.7	.582	93.2	304	..	..	1.0	N.
	6	21.2	764.45	29.992	69.2	30.088	29.979	....	64.5	63.7	.582	93.2	304	..	..	1.0	N., S.
	7	21.3	764.80	30.005	69.	30.092	29.983	....	65.7	64.6	.597	92.7	304	..	..	1.0	N., S.
	8	21.3	764.80	30.005	69.	30.092	29.983	....	67.2	66.	.625	92.7	304	..	..	1.0	N., S., raining.
	9	21.4	764.75	30.003	69.2	30.094	29.985	....	67.8	66.7	.641	92.8	304	.	.04	1.0	N., S., raining.
	10	22.	764.55	29.992	70.	30.088	29.977	....	72.2	69.5	.685	89.3	300	..	..	1.0	Ci-s., S.
	11	22.8	764.30	29.978	71.3	30.080	29.965	....	75.5	71.7	.726	86.3	330	..	..	.9	Ci., Ci-cu., Cu., *S.*
	12	23.3	764.00	29.963	72.3	30.066	29.948	....	76.5	72.5	.744	86.	335	..	..	1.0	Ci cu., N., *S.*
	13	23.8	763.60	29.944	72.2	30.050	29.932	....	74.5	71.5	.730	89.3	345	.2	.03	1.0	Ci-cu., N., showery, *S.*
	14	24.	763.30	29.931	74.	30.040	29.918	....	74.8	72.4	.760	89.5	350	.7	.01	1.0	Ci cu., N., showery, *S.*
	15	24.1	763.00	29.919	74.2	30.030	29.908	....	72.8	69.6	.683	88.7	340	1.0	.01	1.0	Ci-cu., N., showery, *S.*
	16	24.1	763.00	29.919	74.3	30.030	29.908	....	71.6	68.5	.658	88.3	330	2.2	..	1.0	Ci-s., N., *S.*
	17	24.	762.60	29.904	74.5	30.018	29.895	....	69.1	67.7	.659	92.	280	2.0	.03	1.0	Ci-s., N., showery, *S.*
	18	23.5	762.25	29.893	74.1	30.004	29.882	....	68.8	67.5	.656	92.	288	.5	.04	1.0	Ci-s., N., showery. *S.*
	19	23.5	762.00	29.883	74.	29.994	29.872	....	68.	67.	.648	92.	205	.3	.03	1.0	N., showery, *S.*
	20	23.2	761.50	29.865	73.2	29.966	29.847	....	67.4	66.7	.645	92.	200	..	.04	1.0	N., showery.
	21	23.1	761.35	29.859	73.	29.960	29.841	....	67.5	67.	.653	92.	200	..	.01	1.0	N., showery.
	22	23.	760.80	29.840	72.9	29.944	29.825	....	68.	67.4	.661	92.	280	..	.01	1.0	Drizzling.
	23	22.9	760.50	29.828	72.2	29.928	29.811	....	67.9	67.2	.656	92.	312	..	.01	1.0	Drizzling.

Observed dew point: 3*h.*, 62°; 15*h.*, 68°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
16	0	22.8	760.50	29.829	72.2	29.930	29.813	....	67.6	67.	.652	92.	332	..	..	1.0	N.
	1	22.7	760.20	29.817	72.1	29.912	29.795	....	67.5	67.	.653	92.	347	..	..	1.0	N., drizzling.
	2	22.7	760 05	29.811	71.9	29.910	29.793	....	67.5	67.	.653	92.	347	..	..	1.0	N., Ci-s.
	3	22.9	759.60	29 793	71.6	29.900	29 785	....	67.5	67.	.653	92.	347	..	..	1.0	N., Ci-s.
	4	22.8	760.00	29.809	71.6	29.910	29.795	....	66.6	66.	.631	92.	355	..	..	1.0	N., Ci-s.
	5	22.5	760.20	29.818	71.5	29.916	29.801	....	66.5	66.	.631	91.9	355	..	..	1.0	Ci-s.
	6	22.4	760.75	29.840	71.2	29.938	29.824	....	67.	66.	.627	91.5	30	..	..	1.0	Ci., Ci-s.
	7	22.5	761.15	29.855	71.2	29.960	29.846	....	69.	67.5	.653	90.5	30	..	..	.9	Ci-cu , Cu.
	8	22.7	761.60	29.873	71.2	29.970	29.856	....	71.5	69.	.676	88.	30	..	..	.9	Ci-cu.
	9	23.	761.40	29.863	72.	29.965	29.848	....	72.5	69.	.665	87.	20	..	..	1.0	Ci., Ci-cu., Ci-s., *W.* [(2) *W.*
	10	23.8	761.50	29.863	73.	29.970	29.851	....	74.	70.5	.700	87.	..	..	..	.9	Ci., Ci-cu., Ci-s., (1) *NW.*,
	11	24.6	761.40	29.855	74.	29.966	29.844	100.	76.8	72.4	.738	83.5	..	..	..	.7	Ci., Ci cu., Ci s., do.
	12	25.2	761.25	29.846	75.5	29.958	29 832	98.	77.	72.5	.738	86.	..	.1	..	.7	Ci., Ci-cu., Ci-s., do.
	13	25.7	761.10	29.838	76.5	29.950	29.822	97.	80.	75.	.799	84.	..	.1	..	.9	Ci., Ci-cu., Ci s., *W.*
	14	26.	761.00	29.832	77.4	29.950	29.819	91.	78.2	73.	.744	83.	..	.1	..	1 0	Ci., Ci-cu., Ci-s., *W.*
	15	26.6	760.70	29.819	77.9	29.934	29.801	95.7	80.7	74.7	.778	80.9	..	..	..	1.0	Ci., Ci-cu., Ci-s., *W.*
	16	26.8	760.50	29.810	78.5	29.934	29.800	96.4	78.4	73.5	.758	84.1	..	..	..	1.0	Ci., Ci cu., Ci-s., *W.*
	17	26.5	760.70	29.819	78.8	29.940	29.805	....	77.4	73.5	.770	88.	..	..	..	1.0	Ci., Ci-cu., Ci s., *W.*
	18	26.	760.70	29.821	78.9	29.940	29.805	....	76.6	73.4	.775	88.9	..	..	..	1.0	Ci., Ci-cu., Ci s., *W.*
	19	26.1	760.85	29.827	78.6	29.944	29.810	....	74.	71.5	.735	90.3	..	..	..	1.0	Cu., N., Ci-s., *W.*
	20	26.	761.20	29.840	78.	29.962	29.829	....	72.5	71.	.734	92.	..	..	..	1.0	N., showery.
	21	26.	761.25	29.842	78.	29.964	29.831	....	72.	70.9	.736	92.	..	..	..	1.0	N., showery.
	22	25.7	761.00	29.834	77.7	29.942	29.811	....	71.7	70.7	.733	92.2	..	..	.02	1.0	N., showery.
	23	25.6	760.70	29.823	77.3	29.932	29.801	....	71.1	70.1	.718	92.	..	..	..	1.0	N., showery.

Observed dew point: 9*h.*, 68°; 15*h.*, 70°.5; 21*h.*, 69°.8.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
17	0	25.4	760.60	29.821	77.2	29.928	29.798	....	70.7	69.7	.709	92.	224	..	..	1.0	N., drizzling.
	1	25.	760.50	29.818	76.6	29.922	29.794	....	70.1	69.1	.695	92.2	224	..	..	1.0	N., drizzling.
	2	24.9	760.55	29.820	76.1	29.926	29.799	....	70.	69.	.693	92.1	224	..	..	1.0	N., Cu , drizzling.
	3	24.8	760.60	29.822	74.7	29.938	29.815	....	69.4	68.2	.672	92.	224	..	..	1.0	N., Cu , raining.
	4	24.5	760.75	29.831	75.	29.944	29.819	....	69.	67.8	.663	92.	225	..	..	1.0	N., Cu., raining.
	5	24.3	760.80	29.833	75.5	29.950	29.824	....	69.	67.6	.656	92.	225	..	..	1.0	N., Cu.
	6	24.2	761.60	29.865	74.7	29.977	29.847	....	69.5	68.	.664	91.8	225	..	..	1.0	N., Cu., raining.
	7	24.	761.65	29.867	74.5	29.974	29.851	....	71.5	69.8	.703	91.5	225	..	..	1.0	N., Cu.
	8	23.8	761.70	29.869	74.	29.976	29.854	....	72.	70.	.704	91.5	225	..	.01	1.0	N., Cu.
	9	23.8	761.60	29.866	71.	29.974	29.852	....	72.	70.2	.712	92.	45	..	..	1.0	N , raining.
	10	24.	761.60	29.865	74.2	29.970	29.848	....	72.7	71.5	.750	92.	35	..	..	1.0	N., raining.
	11	24.2	761.90	29.877	74.6	29.984	29.861	....	73.6	71.4	.737	90.3	20	..	.01	1.0	N., raining.
	12	24.4	762.00	29.879	75.	29.986	29.861	....	73.6	71.6	.744	92.	25	..	.01	1.0	N., raining.
	13	24.5	761.40	29.856	75.1	29.966	29.841	....	73.8	71.5	.738	91.	30	..	.01	1.0	N , Cu-s., *S.*
	14	24.6	761.80	29.871	75.2	29.980	29.855	....	73.6	72.	.757	92.	10	.1	..	1.0	N., Cu-s., *S.*
	15	24.2	761.80	29.873	75.2	29.980	29.855	....	73.3	71.8	.754	92	10	.1	..	1.0	N., Cu-s., raining, *SSW.*
	16	24.5	761.60	29.864	75.2	29.970	29.845	....	74.6	72.5	.765	91.	10	..	..	1.0	Ci-s., Ci-cu., N., *SSW.*
	17	24.9	761.50	29.857	75.8	29.970	29.843	....	73.	70.5	.711	91.2	10	.6	..	1.0	N., raining, *SSW.*
	18	24.5	761.60	29.864	75.3	29.972	29.846	....	71.8	70.	.707	91.1	5	..	.02	1.0	N., Cu., Cu-s., *SSW.*
	19	24.7	761.60	29.863	75.3	29.972	29.846	....	71.8	70.	.707	91.2	5	..	..	1.0	Cu , Ci cu., Ci., *SSW.*
	20	24.5	761.90	29.876	75.1	29.980	29.855	....	69.5	68.5	.681	91.1	355	..	..	.9	Cu., Ci cu , Ci.
	21	24.3	761.90	29.876	75.	29.980	29.855	....	69.3	68.5	.683	93.	5	..	..	1.0	Cu., N.
	22	24.3	761.95	29.878	74.8	29.982	29.857	....	69.1	68.4	.682	92.9	5	..	..	1.0	Cu., N.
	23	24.2	761.90	29.877	74.5	29.978	29.855	....	68.9	68.	.671	93.	344	..	..	1.0	Cu., N., Ci-s.

Observed dew point: 3*h.*, 67°; 9*h.*, 69°; 15*h.*, 70°.8; 21*h.*, 67°.8.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
18	0	24.	761.80	29.873	74.4	29.976	29.853	....	68.7	67.8	.667	93.	344	..	..	1.0	N., drizzling.
	1	23.8	761.75	29 872	74.2	29.974	29.852	....	68.5	67.6	.662	93.1	344	..	..	1.0	N., drizzling.
	2	23.7	761.15	29.850	73.9	29.950	29.828	....	68.5	67.8	.669	92.	344	..	..	1.0	N., raining.
	3	23.7	760.45	29.823	73.5	29.928	29.808	....	68.5	68.	.675	92.	340	..	..	1.0	N.
	4	23.5	760 50	29.825	73.5	29.932	29.812	....	68.7	68.2	.680	92.	340	..	..	1.0	N.
	5	23.3	760 65	29.832	73.3	29.938	29.818	....	68.8	68.2	.679	92.	340	..	..	1.0	N.
	6	23.4	760.80	29.838	73.	29 940	29.820	....	70.	69.2	.699	91.7	350	..	..	1.0	N., Cu.
	7	23.6	760.65	29 831	73.2	29.932	29.812	....	71.4	70.6	.732	92.	350	..	..	1.0	N., Cu.
	8	23.6	760.75	29.835	73.2	29.938	29 818	....	73.5	72.3	.769	92.	350	..	..	1.0	N., Cu.
	9	24.	760.55	29.824	73.8	29.932	29.810	....	75.5	73.5	.792	91.	345	.5	..	1.0	Ci-s., N., *S.*
	10	24.2	760.65	29.828	74.2	29.936	29.813	....	75.5	72.5	.755	90.	340	.6	..	1.0	Ci-s., N., *S.*
	11	24.8	760.50	29.820	75.	29.930	29.805	....	75.	72.5	.761	90.3	340	1.2	..	1.0	Ci-s., N., *S.* [*SW.*
	12	25.6	760.10	29.799	76.2	29.914	29.787	....	78.6	74.3	.788	86.3	330	1.3	..	.8	Ci., Ci-cu., Ci-s., (1) *S.*, (2)
	13	26 1	759.40	29.769	77.	29.886	29.756	....	80.6	74.5	.773	82.	340	1.7	..	.8	Ci., Ci-cu., Cu., do. do.
	14	26.2	759.10	29 757	77.6	29.872	29.741	....	79.5	73.	.729	81.5	340	2.5	..	.7	Ci., Cu s., N., (1) *S.*, (2) *W.*
	15	26.5	758.65	29.739	78.	29.860	29.727	92.	80.	74.	.761	81.	350	1.4	..	.7	Ci., Cu-s., N., (1) *S.*, (2) *W.*
	16	26.5	758.60	29.737	78.5	29.856	29.722	....	75.8	72.1	.737	89.	340	1.3	..	1.0	Cu s., N., showery, *S.*
	17	26.5	758.20	29.721	78.6	29.840	29.706	....	76.4	72.5	.744	87.	350	1.5	.05	.8	Cu-s, N., Cu., Ci-cu., *S.*
	18	26.5	758.25	29.723	78.5	29 842	29.708	....	76.8	72.5	.740	85.3	330	1.0	..	1.0	Cu-s., N., Cu., Ci., *S.* by *E.*
	19	26 1	758.15	29 720	78.2	29.839	29.706	....	73.4	70.	.689	88.5	310	.8	..	1.0	N., *S.* by *E.*
	20	26.	757.75	29.705	77.8	29.826	29.693	....	71.5	69.	.676	89.3	306	.6	..	1.0	N , Cu.
	21	26.	757.50	29.695	77.5	29.810	29.679	....	70.	68.9	.689	92.	255	..	..	1.0	N., drizzling rain.
	22	25.6	756.95	29.674	77 2	29.790	29.660	....	69.4	68.5	.682	92.	225	..	..	1.0	N., drizzling rain.
	23	....	.....	*29.660	....	.....	*29.646	....	*69.	....	*.680	*92.	240	..	..	..	

* Supplied.

Observed dew point: 3*h.*, 67°.5; 9*h.*, 72°.3; 15*h.*, 70°.5.

Date.		Barometer No 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
20	0	24.4	759.10	29.765	76.2	29.870	29.743	....	71.6	70.2	.716	90.3	49	..	..	1.0	N., Ci-s
	1	24.2	759.25	29.772	75.6	29.876	29.750	....	70.7	69.4	.698	90.2	66	..	..	1.0	N., Ci-s., Cu.
	2	24.	759.20	29.770	75.1	29.872	29.747	....	69.8	68.6	.682	90.4	60	..	..	1.0	N., Ci-s., Cu.
	3	23.9	759.35	29.777	74.8	29.878	29.753	....	69.5	68.1	.667	90.7	34	..	..	1.0	S., Ci-s.
	4	23 9	759.40	29.779	74.6	29.884	29.761	....	69.4	67.7	.655	91.	34	..	..	1.0	S., Ci-s.
	5	23.8	759.60	29.787	74.2	29 900	29.778	....	69.6	67.5	.647	91.	34	..	..	1.0	S., Ci-s.
	6	23.5	760.90	29.841	73.2	29.942	29.823	....	69.6	66.	.598	83.8	130	..	..	1.0	Cu., Ci-s.
	7	23.3	761.10	29.849	73.	29.950	29.831	....	69.8	65.4	.577	86.	130	..	..	1.0	N., Ci-s., raining.
	8	23.	761.70	29.875	72.7	29.976	29.858	....	68.	65.	.584	88.3	135	..	.03	1.0	N., S , Ci-s , raining.
	9	22.9	762.00	29.887	72.5	29.988	29.870	....	69.	66.	.605	89.5	105	..	.06	1.0	Cu , Ci s.
	10	22.8	762.15	29.893	72.4	29.994	29.876	....	70.1	67.	.625	88.	70	..	.01	1.0	Ci cu., Ci-s., N.
	11	22.7	762.30	29.899	72.2	30.000	29.883	....	70.6	67.5	.636	87.3	65	..	..	1.0	Ci-cu , Ci-s., N.
	12	22.7	762 15	29.893	72.	29.992	29.875	....	71.	67.	.615	82.	80	..	..	1.0	Ci-cu., Ci s., *S.*
	13	22.7	762.00	29.887	72.	29.990	29.873	....	71.2	67.5	.629	85.	60	..	..	1.0	Ci-cu., Ci s., *S.*
	14	23.5	761.80	29.876	73.	29.980	29.861	....	72.	67.2	.611	83.3	70	..	..	1.0	Ci-cu., Ci s., N.
	15	24.	761.80	29.873	73.3	29.982	29.862	....	75.5	70.	.666	81.	45	..	..	.7	Ci., Ci-cu., Cu., *W.*
	16	24.2	761.80	29.873	74.	29.982	29.860	....	73.6	68.	.619	81.3	90	..	..	1.0	Ci., Ci cu., Cu., *W.*
	17	24.	761.70	29.869	74.5	29.978	29.855	....	72.9	68.	.625	82.5	45	..	..	1.0	Ci., Ci-cu , Cu., *W.*
	18	24.2	761.95	29.879	74.8	29.997	29.872	....	73.5	68.7	.642	82.8	35	..	..	.3	Ci., Ci-cu., Cu., *W.*
	19	23.9	762.10	29.885	74.5	30.004	29.881	....	71.	66.4	.594	83.2	35	..	..	.2	Ci., Ci-cu., Cu., *W.*
	20	24.1	762.80	29.912	74.2	30.033	29.911	....	68.	65.	.583	89.	50	..	..	.6	Ci., Cu., *W.*
	21	24.	763.20	29.927	74.	30.044	29.922	....	67.4	65.	.590	89.2	50	..	..	.3	Ci., *W.*
	22	23.8	763.60	29.944	74.	30.052	29.930	....	66.5	64.5	.584	91.	51	..	..	.3	Ci , *W.*
	23	23.6	763.60	29.946	73.7	20.014	29.924	....	65.2	63 5	.569	91.	51	..	..	.3	Ci., *W.*

Observed dew point: 3*h.*, 67°; 9*h.*, 65°.5; 15*h.*, 67°; 21*h.*, 51°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
21	0	23.1	763.60	29.949	73.1	30.044	29.925	....	64.9	63.6	.574	91.4	51	..	..	.1	Ci., Ci-s. in *SW.*
	1	23.	763.50	29.945	72.5	30.040	29.922	....	63.6	61.8	.535	90.9	51	..	..	..	A few Ci-s.
	2	22.7	763.50	29.946	71.8	30.040	29 923	....	63.2	60.7	.508	88.9	95	..	..	..	Clear.
	3	22.9	763.50	29.946	71.3	30.044	29.929	....	63.3	61.5	.530	89.	110	..	..	.4	Ci. and Ci-s.
	4	22.5	763.50	29.947	71.	30.044	29.930	....	63.5	61.5	.538	91.	140	..	..	.3	Ci. and Ci-cu.
	5	22.2	764.40	29.984	70.8	30.084	29.972	....	62.6	61.	.523	91.9	140	..	..	.2	Ci., Ci-cu.
	6	22.	765.00	30.009	70.1	30.114	30.003	....	64.6	60.8	.494	84.	150	..	..	.1	Ci., Ci-cu.
	7	22.5	765.55	30.028	70.5	30.130	30.018	....	65.	59.8	.462	75.	200	..	..	..	Clear.
	8	23.	765.90	30.040	71.	30.140	30.026	....	67.	57.9	.384	67.5	205	..	..	..	Clear.
	9	23.1	766.00	30.044	71.4	30.152	30.037	....	69.	58.9	.388	65.	230	..	..	..	Clear.
	10	23.7	766.00	30.039	72.3	30.152	30.034	....	71.6	62.	.451	64.	240	..	..	..	Clear.
	11	24.	766.00	30.038	72.9	30.152	30.033	....	73.5	63.	.460	65.8	280	..	..	..	A few Cu.
	12	24.2	765.90	30.034	73.5	30.140	30.020	98.	73.3	62.3	.442	64.	250	..	..	..	Cu.
	13	24.5	765.40	30.013	74.	30.120	29.998	102.5	75.	64.8	.499	64.5	250	..	..	.1	Cu. in *S.*
	14	25.	764.60	29.979	74.8	30.093	29.969	102.	77.3	67.3	.554	67.5	50	..	..	.1	Cu., Cu-s.
	15	25.5	764.50	29.972	76.	30.082	29.955	99.5	79.2	70.	.624	69.5	335	..	..	.5	Cu., Cu-s.
	16	25.9	764.40	29.967	76.7	30.082	29.954	96.5	77.	68.8	.607	71.5	5	..	..	.6	Cu., Cu-s.
	17	26.	764.15	29.957	77.2	30.074	29.944	....	75.7	67.5	.577	72.9	10	..	..	.2	Cu., Cu-s. at Hor.
	18	25.9	764.15	29 957	77.2	30.076	29.946	....	74.5	67.	.574	73.	20	..	..	.1	Cu.
	19	25.2	764.15	29.960	77.	30.076	29.946	....	73.	67.2	.598	77.	20	..	..	.1	Cu.
	20	24.4	764.15	29.964	76.3	30.076	29.948	....	68.4	65.4	.591	87.	20	..	..	.1	Ci-s. at Hor.
	21	23.5	764.35	29.976	74.9	30.084	29.959	....	66.5	64.2	.575	90.	30	..	..	.1	Ci-s. at Hor.
	22	23.7	764.35	29.976	74.	30.080	29.958	63.1	65.4	63.6	.569	90.2	28	..	..	..	A few Ci s at Hor.
	23	23.9	764.45	29.978	74.	30.080	29.958	61.1	64.6	63.2	.566	90.4	28	..	..	..	Clear.

Observed dew point: 3*h.*, 59°.4; 9*h.*, 52°.6; 15*h.*, 63°; 21*h.*, 61°8.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
22	0	23.6	764.00	29.962	73.8	30.070	29.948	59.7	63.7	62.5	.554	93.	28	..	..	..	Clear.
	1	23.3	763.70	29.951	73.4	30.048	29.928	59.6	63.6	62.8	.566	91.	28	..	..	..	Clear.
	2	23.1	763.25	29.935	72.9	30.034	29.915	....	63.5	63.	.574	92.	28	..	..	1.0	S.
	3	23.	763.15	29.931	72.	30.030	29.913	....	63.3	62.9	.573	92.	28	..	..	1.0	N., S., thick fog.
	4	23.2	763.00	29.925	71.7	30.030	29.915	....	64.3	63.8	.587	91.5	28	..	..	1.0	N., S., thick fog.
	5	23.4	763.00	29.923	71.4	30.030	29.915	....	65.	64.3	.595	91.7	28	..	..	1.0	N., S., thick fog.
	6	23.4	763.00	29.923	71.4	30.030	29.915	....	65.7	65.	.609	91.7	28	..	..	1.0	N., S., thick fog.
	7	22.4	763.15	29.933	71.4	30.034	29.919	....	68.	67.4	.661	91.7	45	..	..	1.0	N., S., thick fog.
	8	22.8	763.15	29.932	71.7	30.036	29.921	....	71.	68.8	.674	91.	90	..	..	.8	Cu., Ci-s.
	9	23.4	763.00	29.923	72.3	30.024	29.906	....	72.5	69.5	.682	90.8	85	..	..	.4	Ci-cu., Ci-s.
	10	24.2	762.90	29.916	73.8	30.024	29.903	93.	75.	70.	.672	89.	40	..	..	.4	Ci., Ci-cu.
	11	24.6	762.60	29.903	74.7	30.012	29.888	98.5	77.	70.1	.653	87.	40	..	..	.3	Ci., Cu., *W.* by *N.*
	12	25.5	762.20	29.881	76.	29.994	29.867	101.	79.5	69.5	.605	84.5	40	..	..	.4	Cu., *W.* by *N.*
	13	25.9	761.40	29.849	76.5	29.964	29.836	101.7	79.5	72.2	.701	85.3	65	..	..	.3	Cu., *W.*
	14	26.	761.00	29.832	77.2	29.952	29.822	96.5	80.	70.	.617	84.	40	.1	..	.5	Cu., Ci., *W.*
	15	27.2	760.70	29.815	78.	29.933	29.800	97.	81.6	70.6	.620	82.	40	.1	..	.3	Cu., Ci., *W.*
	16	28.	760.30	29.796	79.	29.918	29.783	97.3	82.4	71.	.625	81.5	40	.2	..	.1	Cu., *W.*
	17	28.	760.00	29.784	80.	29.906	29.768	....	81.	70.	.606	82.	40	.2	..	.4	Cu., Ci., *W.*
	18	28.	760.10	29.788	80.5	29.924	29.785	....	80.	70.6	.634	82.5	40	.1	..	.4	Cu., Ci., *W.*
	19	27.9	760.10	29.788	80.8	29.920	29.779	....	76.	69.2	.631	84.2	40	..	..	.1	Cu., Ci., Ci-s., *W.*
	20	26.4	760.10	29.796	80.	29.922	29.781	....	73.	68.5	.641	87.5	46	..	..	.1	Ci., Ci-s.
	21	26.1	760.10	29.797	79.	29.922	29.787	....	72.	68.5	.652	89.	45	..	..	.1	Ci., Ci-cu.
	22	25.4	759.90	29.793	78.2	29.920	29.787	....	71.2	68.4	.658	90.	46	..	..	.1	Ci., Ci-cu.
	23	25.1	758.25	29.729	77.3	29.880	29.749	....	70.6	68.4	.665	90.	46	..	..	.1	Ci-s., Ci-cu.

Observed dew point: 3*h.*, 62°,5; 9*h.*, 67°; 15*h.*, 65°; 21*h*, 65°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
23	0	24.5	759.15	29.767	76.6	29.876	29.748	....	70 6	68.2	.659	90.	65	..	..	.3	Ci., *W.*
	1	24.1	758.75	29.753	75.8	29.864	29.737	....	70.6	68.3	.662	90.2	48	..	..	.8	Ci-cu., Ci-s., *W.*
	2	24.	758.35	29.738	75.3	26.846	29.720	....	69.8	68.6	.682	91.	48	..	..	.8	Ci-cu., Ci-s., *W.*
	3	24.8	757.60	29.706	75.	29 816	29.691	....	70.	69.	.693	90.	48	..	..	1.0	Cu., Ci-s., *W.*
	4	23.2	757.20	29.698	74.8	29.800	29.675	....	70.4	69 2	.694	91.	50	..	..	1.0	Cu., Ci-s.
	5	24.7	757.20	29.690	74.8	29.804	29.679	....	70.5	69.3	.697	91.	50	..	..	1.0	Cu., Ci-s.
	6	24.8	757.50	29.702	75.4	29.816	29.690	....	71.6	70.8	.737	91.	50	..	..	1.0	N., raining.
	7	24.8	757.40	29.698	75.4	29.820	29.694	....	72.7	71.7	.757	91.	50	..	.03	1.0	N., raining.
	8	24.5	757.50	29.703	75.7	29.822	29.696	....	73.5	72.4	.774	91.	50	..	..	1.0	N., Ci-s., S.
	9	24.9	757.10	29.684	75.8	29.800	29.673	....	74.3	71.3	.724	90.	130	..	..	1.0	Ci-s., Cu-s , *W.*
	10	25.2	757.60	29.703	76.	29.818	29.691	....	75.2	70.7	.691	88.	170	..	..	1.0	Ci-s., Cu-s., *W.*
	11	25.4	757.85	29.712	76.4	29.826	29.698	....	74.2	69.7	.670	88.	170	..	..	1.0	Ci s., N., *W.*
	12	25.7	757.40	29.693	77.	29.805	29.675	....	75.4	69.3	.644	86.5	205	..	..	1.0	Ci-s., Cu., N., *W.*
	13	26.	757.10	29.680	77.1	29.796	29.666	....	75.5	69.	.632	86.	200	..	..	1.0	Ci-s., Cu., N., *W.*
	14	26.	756.95	29.674	77.5	29.790	29.659	....	73.5	70.	.688	89.2	149	..	..	1.0	Ci-s., Cu., N., *W.*
	15	26.	756.90	29.672	77.6	29.784	29.653	....	73.9	70.6	.705	89.5	145	..	.01	1.0	Ci-s., Cu., N.
	16	26.	756.50	29.656	77.7	29.774	29.643	....	73.	69.5	.676	89.	145	..	..	1.0	Ci-s., Cu., N.
	17	26.	756.50	29.656	77.7	29.774	29.643	....	73.	70.	.693	90.	165	..	..	1.0	Ci-s., Cu., N., raining.
	18	25.	756.85	29.674	77.	29.792	29.662	....	63.5	62.5	.557	91.	270	2.0	.03	1.0	N., raining, *NE.*
	19	24.3	757.35	29.697	76.	29.812	29.685	....	62.5	61.8	.547	91.	250	1.8	.01	1.0	N., showery, *NE.*
	20	23.9	758.65	29.750	74.5	29.862	29.739	....	62.	60.5	.515	91.	240	.3	..	1.0	N., *NE.*
	21	23.7	758.95	29.764	73.9	29.878	29.756	....	61.8	59.8	.498	90.	245	..	..	1.0	N., *NE.*
	22	23.2	759.35	29.780	73.	29.882	29.763	....	61.	59.5	.498	90.6	230	..	..	1.0	N , *NE.*
	23	22 9	759.50	29.789	72.4	29.890	29.772	....	61.5	59.5	.493	90.6	210	..	..	1.0	N., *NE.*

Observed dew point: 21*h.*, 54°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
24	0	22.5	759.75	29.800	71.7	29.900	29.785	....	60.5	59.5	.504	90.6	212	..	..	1.0	N.
	1	22.2	759.75	29.801	71.1	29.900	29.786	....	60.5	59.	.489	90.6	224	..	..	1.0	N., Ci-s., drizzling.
	2	21.8	759.90	29.810	70.6	29.910	29.798	....	60.2	58.9	.489	90.6	222	..	..	.7	Cu., N.
	3	21.9	759.75	29.803	70.	29.904	29.793	....	60.	59.	.495	90.6	225	..	..	.7	Cu., N.
	4	21.7	760.10	29.818	69.6	29.916	29.806	....	60.3	59.	.491	90.	225	..	..	1.0	Cu., N.
	5	21.5	760.30	29.827	69.2	29.924	29.815	....	60.5	59.5	.504	90.	225	..	..	1.0	Cu., N.
	6	20.9	760.35	29.832	68.8	29.924	29.816	....	61.	59.4	.495	90.	227	..	..	1.0	Ci., Cu.
	7	21.2	761.50	29.876	68.4	29.968	29.861	....	61.6	59.6	.494	89.5	192	..	..	1.0	Ci., Cu.
	8	21.	761.75	29.887	68.3	29.982	29.875	....	62.	59.8	.495	89.5	192	..	..	1.0	Ci., Cu.
	9	21.	761.90	29.893	68.5	29.990	29.883	....	64.4	61.4	.514	88.	220	..	..	.8	Ci., Cu., *N.*
	10	21.	762.00	29.896	68.6	29.990	29.883	....	67.5	64.	.558	86.	180	..	..	.9	Ci., Cu., N., *NNE.*
	11	22.	762 10	29.895	69.3	29.994	29.884	....	70.1	64.6	.547	83.7	325	..	..	.8	Ci , Cu-s., N., *N.*
	12	22 5	762.10	29.892	70.1	29.994	29.883	....	71.5	65.5	.561	82.5	10	..	..	.8	Ci., Cu s., *N.*
	13	22.9	761.80	29.880	71.	29.984	29.870	....	72.4	64.8	.528	80.3	55	..	..	.9	Ci., Cu-s., *N.*
	14	23.5	761.95	29.883	72.	29.984	29.871	....	74.3	66.1	.548	79.	120	..	..	.7	Ci., Cu-s., *NNW.*
	15	24.	761.90	29.877	73.	29.984	29.865	....	75.	67.	.569	79.5	310	..	..	.5	Ci., Cu s., *NNW.*
	16	24.5	761.65	29.865	73.6	29.976	29.856	....	76.1	64.7	.483	76.5	100	..	..	.4	Ci., Cu-s., Cu., *NNW.*
	17	25.	761.60	29.861	74.5	29.976	29.853	....	75.4	63.7	.461	75.	160	..	..	.4	Ci., Cu-s., Cu., *NNW.*
	18	25.	761.75	29.867	74.9	29.984	29.859	....	73.8	64.	.485	75.	115	..	..	.1	Cu , *NNW.*
	19	24.3	761.75	29.870	74.8	29 986	29.862	....	72.5	63.5	.485	76.	115	..	..	.1	Scattered Cu.
	20	24.2	762.15	29.886	73.9	30.000	29.878	....	66.9	61.3	.482	80.	118	..	..	.1	Ci., Ci-s.
	21	22.2	762.30	29.901	72.2	30.012	29.895	....	63.5	59.8	.478	85.2	115	..	..	.1	Ci., Ci-s.
	22	21.7	762.65	29.918	71.	30.016	29.902	....	62.4	59.7	.487	87.8	22	..	..	.2	Ci., Ci s.
	23	21.3	762.70	29.922	70.4	30.016	29.904	....	61.6	59.5	.491	89.	68	..	..	..	Clear.

Observed dew point: 9*h.*, 60°.5; 15*h.*, 56°.5; 21*h.*, 57°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
25	0	21.4	762.36	29.908	70.4	30.004	29.892	62.3	61.5	60.4	.518	89.8	68	..	..	..	Clear.
	1	21.9	762.40	29.907	70.6	30.004	29.892	....	63.2	62.7	.566	89.6	68	..	..	..	Slight fog.
	2	21.9	762.35	29.905	70.6	29.996	29.884	....	63.	62.5	.562	89.4	70	..	..	1.0	S., dense fog.
	3	21.6	762.45	29.910	70.4	29.998	29.886	....	62.8	62.2	.556	89.2	120	..	..	1.0	S., Ci-s., dense fog.
	4	21.4	762.70	29.910	70.2	30.008	29.897	....	62.7	62.	.551	89.	95	..	..	1.0	S., Ci-s., dense fog.
	5	21.6	762.85	29.910	70.	30.013	29.902	....	63.	62.1	.551	89.	55	..	..	1.0	S., Ci-s., dense fog.
	6	21.7	762.90	29.926	69.8	30.020	29.909	....	63.2	62.3	.555	89.	55	..	..	1.0	S., Ci-s., dense fog.
	7	21.6	763.15	29.928	69.8	30.020	29.909	....	65.2	63.4	.566	89.	55	..	..	1.0	S., Ci-s., dense fog.
	8	21.8	762.90	29.936	70.	30.030	29.919	....	68.7	66.7	.630	88.3	55	..	..	1.0	S., Ci-s.
	9	22.3	762.90	29.925	70.5	30.020	29.908	....	70.5	66.5	.603	86.	20	..	..	.3	Ci., Cu., *W.*
	10	23.	762.45	29.922	71.5	30.020	29.905	91.5	71.8	67.7	.628	84.5	25	..	..	.3	Ci., Cu., Cu-s., *W.*
	11	23.2	761.70	29.903	72.5	30.010	29.892	92.	72.9	64.7	.519	79.	55	..	..	.7	Ci., Cu., Cu-s., *W.*
	12	24.	761.30	29.870	73.3	29.980	29.860	94.5	74.3	65.3	.522	78.5	15	.2	..	.8	Ci., Cu., *W.*
	13	24.4	760.70	29.852	74.	29.962	29.840	89.	73.8	65.6	.538	79.	25	.3	..	.8	Ci., Cu., Ci-cu.
	14	24.8	760.40	29.828	74.8	29.940	29.816	87.	75.1	64.7	.494	77.	20	.5	..	.8	Ci., Cu.
	15	24.9	759.80	29.815	75.	29.926	29.801	....	74.4	66.4	.556	79.	20	1.0	..	.9	Ci., Cu., Ci-s.
	16	25.	759.80	29.791	75.2	29.910	29.785	....	71.6	64.	.512	79.3	20	2.0	..	1.0	Ci-cu., Ci-s.
	17	25.	759.80	29.791	75.2	29.910	29.785	....	73.4	65.7	.546	79.5	10	1.6	..	.8	Ci., Ci cu., Ci-s., *W.*
	18	25.	759.50	29.778	75.4	29.893	29.767	....	70.8	64.7	.543	80.5	5	1.7	..	.2	Ci., Ci-cu., Ci-s., *W.*
	19	24.2	759.50	29.782	75.	29.893	29.768	....	68.	62.2	.498	82.8	5	1.0	..	.9	Ci., Ci cu., Ci-s., *W.*
	20	24.	758.75	29.753	74.1	29.860	29.738	....	67.	63.	.533	85.1	5	.5	..	1.0	Ci., Ci-cu., Ci s., *W.*
	21	23.6	758.60	29.750	73.7	29.850	29.730	....	66.1	63.1	.546	88.2	352	.5	..	1.0	Ci-cu., Ci-s., *W.*
	22	23.5	758.45	29.744	73.4	29.842	29.722	....	66.1	63.6	.561	88.9	350	..	..	1.0	Ci-cu., Ci-s., *W.*
	23	....	.....	*29.740	....	.....	*29.720	....	*66.1	....	*.575	*89.2	350	..	..	..	

* Supplied.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
27	0	25.3	755.05	29.602	78.2	29.718	29.588	63.	68.9	66.7	.628	87.8	200	..	..	.2	Ci , Ci-s.
	1	23.9	755.00	29.606	76.	29.712	29.587	....	68.6	66.4	.621	87.8	197	..	..	.4	Ci-cu., Ci-s.
	2	23.2	754 75	29.602	74.3	29.706	29.585	....	66.6	65.	.600	86.1	311	..	..	.9	Ci cu., Ci-s., (1) *W.*, (2) *SW.*
	3	22.	754.35	29.591	72.5	29.700	29.582	....	68.	65.6	.603	85.8	310	..	..	1.0	Ci-cu., Ci-s.
	4	22.6	754.50	29.594	72.6	29.688	29.570	....	67.	65.3	.604	86.	300	..	..	1.0	Ci-cu., Ci-s., *SW.*
	5	22.5	754 60	29.598	72.1	29.702	29.585	....	67.	65.3	.604	85.8	300	..	..	1.0	Ci-cu., Ci-s., *SW.*
	6	23.	755.45	29.629	72.3	29.730	29.614	....	68.5	66.1	.613	85.3	300	..	..	1.0	Ci-cu., Ci-s., *SW.*
	7	23.5	755.85	29.645	72.7	29.764	29.648	....	72.3	68.	.632	84.8	345	..	..	.8	Ci., Ci-s., *SW.*
	8	24.	756.50	29.664	73.5	29.778	29.658	....	72.4	67.	.597	84.	265	.2	..	.6	Ci., Ci s , Ci-cu., *SW.*
	9	24.5	756.50	29.663	74.3	29.776	29.653	92.	73.	67.5	.609	83.5	250	.2	..	.5	Ci., Cu., Ci-cu , *W.* by *S.*
	10	25.2	756 60	29.663	75.5	29.778	29.652	92.	74.7	69.2	.647	83.5	240	..	..	.4	Ci., Cu., Ci-cu., *W.* by *S.*
	11	25.5	756.50	29.657	76.2	29.776	29.649	98.	77.	70.	.650	80.	275	..	..	.7	Ci., Cu., Ci cu., *W.* by *S.*
	12	26.	756.60	29.660	77.2	29.778	29.648	99.	77.	70.4	.663	80.	260	..	..	.9	Ci., Cu., Ci-cu., *W.* by *S.*
	13	26.5	756.85	29.668	78.	29.788	29.655	97.	76.7	69.1	.622	78.	260	.1	..	1.0	Ci., Cu., Ci cu., *W.* by *S.*
	14	26.8	756.35	29.646	78.5	29.770	29.636	94.	76.8	70.7	.677	80.	260	.2	..	.9	Ci., Ci-cu., N., *W.*
	15	26.5	757.00	29.674	78.5	29.796	29.662	....	74.3	70.6	.700	83.	320	.2	.05	1.0	Ci-cu., N., rain, *W.*
	16	26.5	757.15	29.680	78.7	29.804	29.670	....	74.3	69.3	.656	84.	275	..	.01	.7	N., Ci , Ci-cu., *E.*, *W.*
	17	25.2	757.40	29.696	77.8	29.820	29.687	....	74.1	69.4	.669	84.	296	..	..	1.0	N., *NE.*
	18	25.2	757.55	29.702	77.	29.824	29.694	....	68.5	66.	.610	84.	278	.2	..	1.0	N.
	19	25.	757.60	29.705	77.	29.828	29.698	....	67.	64.5	.589	90.5	268	..	..	1.0	N.
	20	25.	757.60	29.705	76.1	29.828	29 701	....	65.	63.5	.571	91.	260	..	.01	1.0	N.
	21	24.9	759.10	29.763	75.9	29.880	29.753	....	64.	63.5	.582	93.	190	..	.09	1.0	N., raining.
	22	24.3	758.70	29.750	75.1	29.860	29.735	....	62.6	61.7	.544	92.8	266	..	.10	.4	N., Cu., Ci-s.
	23	23.9	758.75	29.754	74.6	29.868	29.745	....	62.3	61.3	.535	92.4	238	..	..	1.0	N., Ci-s.

Observed dew point: 21*h.*; 63°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
28	0	23.6	758.60	29.750	73.8	29.858	29.736	....	61 9	61.	.531	92.3	238	..	..	1.0	N.
	1	23.1	758.55	29.751	73.	29.850	29.731	....	60.8	59.9	.511	92.3	219	..	..	1.0	N.
	2	22.8	758.70	29.758	72.5	29.860	29.742	....	60.5	59.6	.506	92.3	225	..	..	1.0	N., drizzling.
	3	22.8	758.85	29.764	71.7	29.862	29.747	....	62.	60.	.501	91.	225	..	..	1.0	N., drizzling.
	4	22.6	758.90	29.767	71.3	29.864	29.749	....	60.5	59.5	.504	91.	220	..	..	1.0	N., drizzling.
	5	22.2	759.10	29.775	71.	29.876	29.762	....	60.5	59.5	.504	91.	220	..	..	1.0	N., drizzling.
	6	21.8	759.40	29.790	70.5	29.900	29.788	....	61.	60.	.512	91.	220	..	..	1.0	N.
	7	21.7	760.00	29.814	70.	29.918	29.807	....	61.7	60.2	.510	91.	220	..	..	1.0	N., raining.
	8	21.8	760.15	29.820	70.	29.920	29.809	....	63.6	62.	.541	90.	220	..	..	1.0	N.
	9	21.7	760.10	29.818	69.9	29.920	29.809	....	66.7	61.5	.582	89.	342	..	..	1.0	N., Ci-cu.
	10	22.	759.80	29.805	70.1	29.906	29.795	....	70.4	67.4	.634	84.6	342	..	..	.7	Ci., Ci-cu., Cu., *W.*
	11	22.7	760.00	29.809	71.	29.912	29.798	....	72.8	68.5	.645	82.2	346	..	..	.9	Ci-cu , Cu.
	12	23.7	759.50	29.785	72.6	29.896	29.778	96.	76.7	70.5	.671	78.5	25	..	..	.8	Cu., Cu s., N., *W.*
	13	24.5	759.30	29.773	73.8	29.884	29.763	96.	76.4	69.6	.643	77.	40	..	..	.6	Cu., Cu-s., N., *W.*
	14	24.6	759.30	29.772	74.5	29.884	29.761	95.5	78.2	69.1	.606	71.5	35	..	..	.7	Cu., Cu-s., N., *W.* [(2) *W.*
	15	25.7	759.30	29.767	75.3	29.884	29.758	96.	78.	68.	.571	69.5	70	..	..	.9	Cu., Cu s., N., (1) *W.* by *N.*,
	16	26.	759.10	29.757	76.3	29.878	29.750	....	77.	68.7	.606	72.	85	.1	..	.9	Cu., Cu-s., N., (1) *W.* by *N.*,
	17	26.2	758.90	29.750	77.	29.876	29.746	....	79.2	69.8	.618	69.5	60	..	..	.9	Cu., Cu-s., N., *W.* [(2) *W.*
	18	26.8	758.90	29.747	77.8	29.877	29.744	....	78.2	70.	.637	71.9	60	..	..	.1	Cu., Ci-cu.
	19	26.5	759.10	29.756	78.	29.892	29.759	....	76 5	69.3	.632	73.	55	..	..	..	Cu. at Hor.
	20	26.	759.50	29.773	77.8	29.900	29.767	....	71.5	67.	.609	80.	55	..	..	..	Ci s. at Hor.
	21	25.9	759.70	29.782	77.5	29.908	29.777	....	70.	66.7	.617	86.	55	..	..	.1	Ci s., Cu. at Hor.
	22	24.8	759.80	29.792	76.7	29.910	29.782	....	68.5	66.5	.626	88.5	18	..	..	..	Clear.
	23	24.5	759.75	29.791	75.7	29.896	29.770	....	67.	65.5	.612	90.	18	..	..	.1	Ci-s. at Hor.

Observed dew point: 3*h.*, 53°; 9*h.*, 60.3°; 15*h.*, 63°.5; 21*h.*, 62°.9.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
29	0	24.3	759.80	29.793	75.5	29.896	29.770	....	66.	64.8	.600	90.	18	..	..	.6	Cu., Ci-cu.
	1	24.2	759.85	29.796	75.	29.898	29.773	....	65.2	64.1	.587	90.2	18	..	..	.8	Cu., Ci cu.
	2	24.	759.55	29.784	74.4	29.888	29.765	....	66.2	64.5	.588	89.9	129	..	..	..	Clear.
	3	23.8	759.80	29.795	73.8	29.900	29.780	....	65.4	64.	.582	90.	20	..	..	..	Clear.
	4	23.7	760.00	29.805	73.2	29.912	29.793	....	65.	63.6	.574	90.	20	..	..	..	Clear.
	5	23.5	760.60	29.829	73.	29.928	29.809	....	64.	62.5	.552	89.9	15	..	..	..	A few Ci., *SW.*
	6	23.5	761.25	29.854	72.9	29.966	29.848	....	68.6	66.	.609	87.	15	..	..	..	A few Ci., *SW.*
	7	24.8	761.45	29.857	73.2	29.970	29.851	....	71.2	66.2	.586	81.	15	..	..	.3	Ci.
	8	24.8	761.85	29.873	71.5	29.982	29.859	....	75.	69.	.637	79.	90	..	..	.2	Ci.
	9	25.	762.10	29.880	76.	29.994	29.867	92.	77.	68.	.582	73.	125	.1	..	.2	Ci, *W.*
	10	25.3	762.35	29.889	76.5	30.004	29.876	93.	77.4	68.6	.598	73.	120	.1	..	.5	Ci., *W.*
	11	25.9	762.55	29.894	77.1	30.010	29.880	96.	78.6	68.6	.585	70.	120	.1	..	.3	Ci., Cu., (1) *W.* by *N.*, (2) *W.*
	12	26.1	762.75	29.901	77.5	30.016	29.885	96.	79.	68.8	.587	69.	120	.2	..	.7	Ci., Cu., (1) *NW.*, (2) *W.*
	13	26.5	762.90	29.906	78.	30.020	29.891	96.	79.5	67.1	.524	66.	120	.1	..	.4	Ci., Cu., (1) *NW.*, (2) *W.*
	14	26.9	763.00	29.906	78.5	30.026	29.892	91.	81.	69.5	.588	65.	120	.1	..	.6	Ci., Cu., (1) *NW.*, (2) *W.*
	15	27.3	763.10	29.908	79.2	30.028	29.893	96.	81.5	69.6	.587	63.5	125	..	..	.3	Ci., Cu., (1) *NW.*, (2) *W.*
	16	27.7	763.20	29.910	80.	30.032	29.894	97.	83.2	70.2	.589	63.	70	..	..	.3	Ci., Cu., (1) *NW.*, (2) *W.*
	17	28.	763.25	29.911	80.5	30.034	29.895	....	83.4	70.	.579	63.2	120	..	..	..	Ci., Cu.
	18	28.1	763.45	29.919	80.8	30.051	29.910	....	82.5	72.3	.635	63.7	120	..	..	..	A few Ci.
	19	28.	763.45	29.919	80.8	30.051	29.910	....	81.	72.3	.687	64.	120	..	..	..	Clear.
	20	27.9	763 60	29.925	80.8	30.062	29.921	....	73.5	66.5	.570	72.2	120	..	..	..	A few Ci-s.
	21	27.5	763.60	29.927	80.5	30 062	29.923	64.8	70.9	66.	.583	78.	120	..	..	..	A few Ci-s.
	22	25.3	763.85	29.948	79.	30.062	29.927	63.2	68.6	65.2	.583	78.	158	..	..	..	Clear.
	23	25.2	764.00	29.954	76.9	30.066	29.936	61.9	67.	64.4	.576	87.8	158	..	..	..	Clear.

Observed dew point: 3*h.*, 63°; 9*h.*, 66°.4; 15*h.*, 61°.8; 21*h.* 63°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
30	0	24.9	764.05	29.957	76.	30.068	29.941	62.2	66.5	64.5	.585	88.	158	..	..	.05	Ci., Ci-s.
	1	24.9	764.05	29.957	76.	30.068	29.941	....	66.	64.	.575	88.	158	..	..	.8	Cu., Ci-cu.
	2	23.7	763.70	29.950	75.	30.050	29.925	....	67.6	64.7	.579	86.	167	..	..	.9	Cu., Ci-cu., N.
	3	23.3	763.70	29.951	73.5	30.050	29.940	63.	66.5	64.	.569	87.5	220	..	..	..	Ci-cu.
	4	23.4	763.75	29.953	73.3	30.060	29.940	63.	66.	63.7	.564	88.	220	..	..	..	Ci-cu.
	5	23.5	763.85	29.954	73.2	30.066	29.947	63.	65.9	63.7	.566	88.5	250	..	..	..	Cu., Ci-cu., N.
	6	23.4	764.00	29.963	73.	30.074	29.955	....	67.5	65.1	.592	88.9	230	..	..	..	Ci., Ci-cu.
	7	24.	764.35	29.973	73.5	30.088	29.968	....	73.3	70.2	.698	85.	230	..	..	.3	Ci.
	8	25.	764.00	29.955	74.8	30.076	29.953	....	78.8	74.5	.793	83.5	340	..	..	..	Clear.
	9	25.5	763.95	29.950	76.1	30.066	29.939	98.	81.	75.7	.815	82.5	350	..	..	.2	Ci., Ci-cu.
	10	26.2	763.90	29.946	77.8	30.066	29.934	98.5	83.	76.	.805	78.	25	..	..	.3	Ci., Ci-cu.
	11	27.2	764.10	29.948	79.1	30.072	29.937	103.	84.	74.6	.739	73.	15	.5	..	.8	Ci-cu., Cu-s.
	12	29.1	764.10	29.939	80.5	30.066	29.927	99.7	85.2	74.7	.730	71.	15	1.5	..	.8	Ci., Ci-cu., Cu-s.
	13	28.7	763.40	29.914	81.3	30.040	29.898	99.	86.5	74.3	.701	67.5	10	1.5	..	.3	Ci., Ci-cu., Cu.
	14	28.6	762.40	29.875	82.	30.004	29.861	100.	86.	74.7	.722	70.	0	1.3	..	.4	Ci., Cu.
	15	29.3	762.40	29.872	82.5	30.004	29.860	99.	86.7	76.4	.780	70.5	5	1.8	..	.5	Ci., Cu.
	16	30.	762.35	29.866	83.8	30.003	29.854	98.	85.7	75.4	.752	71.2	0	2.3	..	.1	Cu.
	17	29.5	761.95	29.854	84.	29.997	29.848	94.	82.9	74.5	.747	74.2	340	2.0	..	.2	Ci-cu., Cu.
	18	29.	762.25	29.867	83.9	30.010	29.861	....	80.	72.2	.695	75.	350	1.8	..	.8	Ci-cu., Cu.
	19	28.8	762.25	29.867	83.	30.010	29.864	....	78.	70.5	.656	75.8	350	1.3	..	1.0	N., Cu.
	20	28.2	762.45	29.879	82.1	30.018	29.875	....	76.5	71.	.690	83.	350	1.0	..	1.0	N., Cu.
	21	28.	762.45	29.880	82.	30.018	29.875	....	75.5	70.	.666	83.	340	1.0	..	1.0	N., Cu.
	22	27.2	762.40	29.881	81.	30.012	29.871	....	74.1	69.3	.658	83.6	353	.8	..	1.0	N., Ci s.
	23	26.8	762.60	29.892	80.	30.016	29.878	....	73.5	69.4	.668	83.8	7	.3	..	1.0	N., Ci-s.

Observed dew point: 3*h.*, 59°; 9*h.*, 74°; 15*h.*, 69°; 21*h.*, 61°.8.

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